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AWS-BIBL-15

vol I

SERVICE BIBLIOGRAPHY

LIST OF TRANSLATIONS ON METEOROLOGY AND ATMOSPHERIC PHYSICS

Compiled by

ROSA E. HAY

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AIR WEATHER SERVICE BIBLIOGRAPHY

LIST OF TRANSLATIONS ON METEOROLOGY AND ATMOSPHERIC PHYSICS

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ROSA E. HAY

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AWS Bibliography 15

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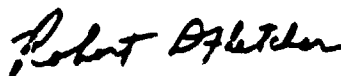
Headquarters
AIR WEATHER SERVICE (MATS)
United States Air Force
Scott AFB, Ill., April 1959

FOREWORD

1. *Purpose.* Air Weather Service Bibliography 15, "List of Translations on Meteorology and Atmospheric Physics," is published for the information of intelligence, scientific, technical, and climatological services activities in AWS units, and of other U. S. military activities concerned.

2. *Contents.* This bibliography consists of two parts and lists all the unclassified translations in the field of meteorology and related geophysical topics known to Headquarters Air Weather Service, and which are available to qualified U. S. military activities. (A list of classified translations was issued separately as AWS Bibl 19, which may be obtained from ASTIA, No AD-156857.)

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ROBERT D. FLETCHER
Director, Scientific Services

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LIST OF TRANSLATIONS ON METEOROLOGY AND ATMOSPHERIC PHYSICS

INTRODUCTION

This bibliography has been compiled primarily on the basis of translations available in the Technical Files of Headquarters Air Weather Service. A large number of translations from Russian meteorological texts and journals made by or for the service during World War II forms the nucleus of the collection. To them have been added many translations made by or for USAF and other U. S. military agencies, as well as a number from other U. S., British and Canadian government agencies (including their contractors). The subjects covered are mainly meteorology and atmospheric physics, though a considerable selection of items on phases of oceanography, hydrology, aeronautics, astronomy and geography, which may be of interest to meteorologists has been included. It cannot be claimed that this collection approaches completeness of translations made in these fields by these agencies since about 1939. Until recently, it has not been the practice for many of the agencies to notify others of translations they have made nor to publish them. Many translations probably still lie buried and forgotten in files or have been lost. However, various offices have kindly given or loaned known copies of their valuable translations to Headquarters Air Weather Service. In all cases permissible these translations have been microfilmed and indexed by ASTIA (Armed Services Technical Information Agency) from whom U. S. military activities and their contractors can obtain copies directly and thereby avoid troubling the translating office for copies which they are often not prepared to supply.

Obtaining Copies of Translations. It is intended that all requesters (U. S. military activities and their contractors, only) obtain copies from ASTIA in all cases where an ATI or AD number is given. Certain translations are listed which are not available from ASTIA; AWS field activities desiring any of these will request them from Headquarters Air Weather Service who will endeavor to supply them. Other activities will

have to obtain them from the original source. The original source of the translation has not been indicated herein except in a few cases. Headquarters Air Weather Service will furnish this information to U. S. military activities when it is needed in order to obtain the document. In some cases an intelligence document number is cited: these translations should be requested through intelligence channels using the number given as reference. Translations issued by commercial sources are so indicated and the price given when known. The addresses of these sources are given at the end of this Introduction.

Quality of Translations. Prospective users of these translations are advised that the majority of them are rough or poorly edited, especially from a technical standpoint. The translators in most cases were not scientists and not acquainted with the technical English terminology appropriate to the subject. In many cases the title and publisher of the journal or book translated were translated without citing them in the original language; as this often makes identification very difficult, Headquarters Air Weather Service has attempted to supply the correct citations in original language; unfortunately, a few uncertainties remain. Not all translations include the illustrations and it may be necessary to refer to the original publication for them. A majority of the translations were available only in poor copy, so that some of the reproductions may be difficult to read or partly illegible. In these cases request for loan of the original, if available, may be necessary.

Use of this Bibliography. The arrangement of this bibliography is designed mainly for the convenience of the person contemplating reading or translating a certain paper but wishing to find out if a translation already exists. An alphabetical listing of the serials (Part One) is given first. Within each serial and for non-serials (Part Two) an alphabetical arrangement by name of first author

given. No classification by subject was attempted as it would be very difficult to do and would be of little practical significance. Items followed by an asterisk are presently in Technical Files of Headquarters Air Weather Service.

Addenda. From time to time addenda to this bibliography will be issued, containing

further accessions as well as corrections to the previous listing. The cooperation of users of this bibliography is solicited in advising Headquarters Air Weather Service of errors in the listings.

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New York 17, New York

Consultants Bureau Inc.
227 West 17th St.
New York 11, New York

Morris D. Friedman
Foreign Technical Translations
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Needham Heights 94, Mass.

United Kingdom Scientific Mission
1907 K. Street, N. W.
Washington, D. C.

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**PART ONE
SERIAL PUBLICATIONS**

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PART ONE

TRANSLATIONS OF ARTICLES IN SERIAL PUBLICATIONS
(BOTH PERIODIC AND NON-PERIODIC)

ABHANDLUNGEN DER PREUSSISCHEN AKADEMIE DER WISSENSCHAFTEN (See: PREUSSISCHEN)

ABHANDLUNGEN DES METEOROLOGISCHEN UND HYDROLOGISCHEN DIENSTES DER DEUTSCHEN DEMOKRATISCHE REPUBLIK

Freiesleben, H. C., and Pruefer, G., "Dip Observations (1933-1938) and Their Correlation With the Thermal Stratification of the Lowest Layers of Atmosphere Over the Water," Vol. II, No. 10, 1952.

ACTA METEOROLOGICA SINICA

Anon., Extract from "Meteorological Research in Communist China," Vol. 28, No. 3, August 1957. *

Yeh Tu-cheng, and Dunn Gan-ying, Summary: "Mean Meridional Circulation and Angular Momentum Balance in the Year 1950," Vol. 27, No. 4, 1956.

AEROTECHNICA

Grossi, M., and Mancianti, M., "A New Type of Radiosonde for Registration of Atmospheric Temperature, Humidity and Pressure Gradients," Vol. 30, No. 3, 1950. (BTI-ATT-205797) *

Miele, Angelo, "Optimum Flight Paths of Turbojet Aircraft," Vol. 32, No. 4, 1952. *

ALMANACH DES SCIENCES (Paris)

Viaut, Andre, "Information on French Meteorology," 1951.

AKADEMISK AFHANDLING, UPPSALA

Reif, Bruno, "Probability and Prediction of Summer Rains," 1917. (ATT-113104) *

AKADEMIYA NAUK SSSR (See: DOKLADY)

AKADEMIYA NAUK SSSR (See: IZVESTIYA, SERIA GEOGRAFICHESKAIA I GEOFIZICHESKAIA)

AKADEMIA NAUK SSSR (See: IZVESTIYA, ESTIMSKAYA ASTROFIZICHESKAYA
OBSERVATORIYA)

AKADEMIA NAUK SSSR (See: METEORIKTA)

AKADEMIA NAUK SSSR (See: VESTNIK AKADEMIIA NAUK)

AKADEMIA ATHENON, PRAKTIKA (See: PRAKTIKA)

AKADEMIENS HANDLINGAR OCH TIDSCHRIFT (See: KUNGL. KRIGSVETENSKAPS)

AKADEMIE DER WISSENSCHAFTEN IN WIEN, MATH. -NAT. KLASS, SITZUNGSBERICHTE

Ficker, Heinz von, "Spreading of Cold Air in Russia and Northern Asia: Part 3; Summary of Results," Vol. 119, Abt 2A, 1910. (ATI-27863) *

Ficker, Heinz von, "The Progress of Heating (of the 'Warm Waves') in Russia and Northern Asia," Vol. 120, Abt 2A, 1911. (AD-27880) *

Schmidt, Wilhelm, "The Structure of the Wind," Vol. 138, Nos. 1-10, 1929. (ATI-113161) *

ASHKHABAD ASTROPHYSICAL LABORATORY

Astapovich, I. S., and Savrukhin, A. P., "The 'Light Blue' Trains of Meteors and Lunar Tides From Meteor Observations 1942-45," Report No. 121, 1951. (AD-128660) *

ANGEWANDTE CHEMIE (Berlin)

Harteck, P., "The Chemistry and Photochemistry of the Terrestrial Atmosphere," Vol. 63, No. 1, 1951.

ANNALEN DER HYDROGRAPHIE UND MARITIMEN METEOROLOGIE

Eckel, Otma, "Mean Three-Hourly Pressure Change Charts for Europe," Vol. 65, 1937. (ATI-120788) *

Grundmann, W., and Moese, O., "The Possibility of Using the Relationships Between Turbidity Factors and Air Bodies for Practical Weather Analysis," Vol. 59, 1931. (ATI-120333) *

Jaeckische, Hans, "Comparative Investigations Pertaining to the Methods of Computing the Condensation Level," Vol. 72, 1944. (ATI-27977) *

Junge, Christian, "Turbulence Tests in the Higher Atmospheric Layers," Vol. 66, 1938. (ATI-63902) *

Neumann, G., and Schumacher, A., "Currents and Density of Sea Surface off the East Coast of North America," Vol. 72, No. 16, 1944. *

ANNALEN DER HYDROGRAPHIE UND MARITIMEN METEOROLOGIE (Cont'd)

- Regula, H., "Distribution of Velocity in Warm and Cold Air Flows Over the Sea," Vol. 67, 1939. (ATI-160881) *
- Regula, H., "On the Variations of the Boundaries of the Trades," Vol. 65, 1937. (ATI-117989) *
- Regula, H., "Pressure Changes and 'Tornadoes' (Squalls) on the West Coast of Africa," Vol. 64, 1936. (ATI-117988) *
- Renner, R., "Cooling Below Thunderstorms," Vol. 66, 1938. (AD-44590) *
- Sandstrom, J. W., "On the Motion of Fluids," June 1909. *
- Scherhag, R., "Improvement of the Weather Forecast by Computing the Pressure Distribution of the Next Day With the Aid of Upper-Air Weather Charts," Vol. 67, 1939. (ATI-110104) *
- Schmidt, W., "Radiation and Evaporation Over Open Water Surfaces; A Contribution to the Heat Budget of the World Ocean and to the Water Budget of the Earth," Vol. 43, 1915. (AD-106875) *
- Semmelhack, W., "The Dustfalls in the Northwestern Region of the Atlantic Ocean," Vol. 62, July 1934. (ATI-117986) *
- Wagemann, H., "A Contribution to Help Explain the Atmospheric Pressure Distribution Over the Atlantic Ocean," Vol. 71, 1943. (ATI-28018) *
- Wattenberg, H., and Joseph, J., "New Method of Measuring the Salinity and Temperature of Sea Water," Vols. IV/VI, 1943.

ANNALEN DER METEOROLOGIE

- Becker, F., "Heating of the Stratosphere by Solar Eruptions," Vol. 4, Nos. 10/12, 1951. *
- Brooks, Karl, "Problems of Radiometeorology," Vol. 4, Nos. 1/6, 1951. (For sale by John Crerar Library)
- Junge, C., "The Growth of Condensation Nuclei With Relative Humidity," Vol. 3, Nos. 5/6, 1950. *
- Paetzold, Hans-Karl, "On the Analysis of Atmospheric Movements Through Variations in the Ozone," Vol. 8, Nos. 1/2, 1957. *
- Schulz, Rudolph, "Radio Meteorology," Vol. 3, No. 1, 1950. (ATI-109781) *
- Walden, Hans, "A New Diagram for Sea Forecasting From Wind Conditions," Vol. 7, Nos. 3/4, 1955/56. (AD-119295) *

ANNALEN DER PHYSIK UND CHEMIE

- Becker, F., and Doring, W., "Kinetic Treatment of the Nucleation in Supersaturated Vapors," 6th Series, Vol. 5, No. 24, 1935. *

ANNALEN DER PHYSIK UND CHEMIE (Cont'd)

- Brillouin, L., "The Propagation of Light in a Dispersing Medium," 4th Series, Vol. 44, 1914. *
- Forsterling, Karl, "The Propagation of Light in Non-Homogeneous Media," 5th Series, Vol. 2, No. 1, 1931. (AD-41345) *
- Forsterling, Karl, and Wuester, Hans-Otto, "Reflection in a Non-Homogeneous Medium," 6th Series, Vol. 8, Nos. 3/4, 1950. (ATI-108528) also (AD-47863) *
- Gerstner, F., "Theory of Waves," Vol. 32, 1809. (ATI-172184) *
- Heisenberg, Werner, "On Stability and Turbulence of Fluid Flows," 4th Series, Vol. 74, No. 15, 1924.
- Jobst, G., "Diffuse Radiation of Dielectric Spheres in the Light Case When the Sphere Substance and the Surrounding Medium Have Nearly Equal Indices of Refraction," 4th Series, Vol. 78, 1925. *
- Sommerfeld, A., "The Propagation of Light in Dispersing Medium," 4th Series, Vol. 44, 1914. *

ANNALEN DER SCHWEIZERISCHEN METEOROLOGISCHEN ZENTRALANSTALT

- Lugeon, J., and Nobile, G., "The Radiomaxigraph - A Register of Intensity of Atmospheric Interferences of the Swiss Central Meteorological Station," Vol. 75, Appendix No. 9, 1938. *

ANNALES D'ASTROPHYSIQUE

- Barbier, D., et al., "Investigation of the Green Line Emission in Night Sky Luminosity," Vol. 14, No. 4, Oct-Dec 1951.
- Dufay, Jean, "Forbidden Lines of Atomic Nitrogen in the Auroral and Night-Sky Spectra," Vol. 6, Nos. 3/4, 1943. (AD-32343) *
- Nicolet, Marcel, "The Problem of the Solar Constant," Vol. 14, No. 3, Jul/Sept 1951. *

ANNALES DE GEOPHYSIQUE

- Barbier, Daniel, "Comparison of Formulas Giving Corrections for Extinction in Night Sky Observations," Vol. 5, Fasc. 1, 1949.
- Prudhomme, Andre, "Rate of Ascent of Sounding Balloons," Vol. 5, Fasc. 2, 1949.

ANNALES DE PHYSIQUE DU GLOBE DE LA FRANCE D'OUTRE-MER

- Bruzon, F., "The Crablin Period in the Gulf of Tonkin Area," No. 17, October 1936. *
- Frolov, S., "Pressure Variations in French West Africa in May 1934," No. 14, 1936. (ATI-117993) *

ANNALES DE PHYSIQUE DU GLOBE DE LA FRANCE D'OUTRE-MER (Cont'd)

Hilaire, P., and Pruvost, J. N., "Bases for Very Short-Period Forecasting Cameroons," No. 31, 1935. (ATI-117995) *

Hubert, Henry, "African Origin of an Atlantic Tropical Hurricane," No. 34, 1939. (ATI-110156) *

Hubert, Henry, "The Air Masses of West Africa," No. 26, 1933. (ATI-117990) *

Hubert, Henry, "A Summary of Knowledge of the Sand and Dust Storms of French West Africa; (With additional notes on visibility in West Africa.)" No. 1, 1934. (ATI-117996) *

Hobeniche, P., "Upper Winds on the Coast of French West Africa," No. 18, 1936. (ATI-117991) *

ANNALES DES PONTS ET CHAUSSEES

Micha, M., "Undulatory Motions of the Sea at Constant or Decreasing Depth," Vol. 114, No. 1, 1942. *

ANNALES DE LA SCIENCE AGRONOMIQUE (Paris)

Chassant, M., and Clarte, R., "An Experiment in France on the Fight Against White Frost by Artificial Clouds," Mar-April 1923.

ANNALES DE LA STATION CENTRALE SUISSE DE MÉTÉOROLOGIE

Lugeon, J., and Ackermann, P., "The Anomalies in the European Aerological Network," 1955, Appendix, Zurich 1956. (AD-129318) *

Lugeon, J., et al., "Compilation of Errors in Radio Motoring," Parts I - II, 1948. (ATI-78949) *

ANNALI DI GEOFISICA

Cialdea, R., et al., "Influence of the Wind on the Action of Radio-Active Sondes," Vol. 1, No. 4, Oct 1948. *

ARBEITEN DES PREUSSISCHEN AERONAUTISCHEN OBSERVATORIUM (BEI LINDENBERG)

Tetens, Otto, and Duckert, Paul, "Tables for Evaluation of Observations of the Pilot Balloon," Vol. XV, 1923.

ARCHIV FÜR METEOROLOGIE, GEOPHYSIK UND BIOKLIMATOLOGIE

Alliverti, G., and Lovera, G., "About Some Ball Lightning Observed in Upper Italy," Vol. III, 1950. *

ARCHIV FÜR METEOROLOGIE, GEOPHYSIK UND BIOKLIMATOLOGIE (Cont'd)

Defant, F., "The Average Meridional Temperature Profile in the Troposphere as a Result of Vertical and Horizontal Exchange Processes and Latent and Sensible Heat," Vol. 2, Series A, Nos. 2/3, 1950.

Lugeon, J., "The Status of World Radio Meteorology and Weather Forecasting," Vol. 3, Series A, Nos. 1/2, 1950. (ATI-113179) *

Raethjen, P., "Two Dimensional Momentum Exchange (Austausch) of Rotating Systems," Vol. 3, Series A, Nos. 3/2, 1951.

Reuter, H., "Numerical Method of Forecasting Changes of the 500-mb Surface According to Charney and Eliassen," Vol. 4, Series A, 1951.

Schneider-Carius, K., "The Significance of the Stratified Structure of the Troposphere for the Establishment of Cloud Systems," Vol. 2, Series A, No. 1, 1950.

Wierzewski, H., "On the Theory of Measurement of the Cooling Power and the Design of an Instrument for this Purpose," Vol. 2, Series B, Nos. 1/2, 1950. *

Wippermann, F., "The Influence of Land and Sea Distribution on the Position of the Quasistationary Trough in an Atmospheric Zonal Circulation," Vol. 4, Series A, 1951.

ARCHIV FÜR TECHNISCHES MESSEN

Jacob, Ulrich, "The Measurement of the Velocity of a Gas Flow With the Hot-Wire Anemometer," Vol. 116-3, No. 216, Jan. 1954, and Vol. 116-4, No. 217, Feb. 1954. (AD-44536) *

ARKIV FÜR GEOFYSIK

Norinder, H., et al., "Atmospheric-Electric Potential Gradient and Vertical Current in Uppsala," Vol. 2, No. 6, 1954. (AD-90249) *

ARCTIKA

Kalitin, N. N., "What is to be Expected From an Actinometric Program in the Arctic," No. 2, 1934. * (AD-204606)

ARKTIS

Baur, Franz, "Climate of the Hitherto Explored Arctic Regions," Vol. 2, 1929. (ATI-137079) *

ASTRONOMICAL HERALD (Japan)

Torao, Masahisa, "Satellite Observations in Japan," Vol. 51, No. 8, 1958.

ASTRONOMISCHE MITTEILUNGEN (ZÜRICH)

Brunner, W., "Dependency of the Correlation Between the Sunspot Numbers and the Geomagnetic Activity Upon the Activity Phase Within the 11-year Period," No. 13, 1939. (AD-47810) *

Brunner-Haggen, W., and Liepert, A., "Comparison of the Sunspot Curves for the Period 1853-1939 for the Northern and the Southern Hemisphere," Nos. 13/14, 1939. (AD-65310) *

Waldmeier, Max, "New Characteristics of the Sunspot Curves," No. 133, 1935. *

Waldmeier, Max, "The Zonal Drift of Sunspots," Nos. 13/14, 1939. (AD-59548) *

ASTRONOMICHESKII TSIRKULAR

Khotinok, P. L., "Determination of the Space Density of Meteor Streams," No. 170, 2 June 1956.

ASTRONOMICHESKII ZHURNAL

Astapovich, I. S., "A Method of Determining the Elements of the Trajectory of a Meteor Body in the Atmosphere," Vol. 15, No. 2, 1938. (AD-120688) *

Bellayev, N. A., "Refraction of Extraterrestrial Radiowaves in the Atmosphere," Vol. 32, No. 4, 1955. *

Divari, N. B., "Photometric Observations of the Counter glow," Vol. 26, No. 6, 1945. (AD-180939) *

Divari, N. B., "The Pressure of Solar Radiation on the Atoms of Certain Gases," Vol. 27, No. 6, 1950. (AD-180939) *

Eygenson, M. S., "Secular Variations of Solar Activity in the Contemporary Epoch and Their Geophysical Consequences," Vol. 25, No. 2, 1948. (AD-5273) *

Fedorova, N. I., "Night Sky Infrared Spectrum in the Region of 9500-11500 Å," Vol. 34, No. 2, 1957. *

Fedynskiy, V. V., "Results of Observations of Meteor Trains in Tadzhikistan (1934-1938)," Vol. 21, No. 6, 1944. (AD-120691) *

Fesenkova, V. G., et al., "Expedition of the Academy of Sciences USSR to Aswan, Egypt, for Observations of Zodiacal Light and Optical Properties of the Atmosphere," Vol. 35, No. 2, Mar/Apr 1958. *

Fesenkova, V. G., "The Polarization of Zodiacal Light," Vol. 35, No. 4, Jul/Aug 1958. *

Fesenkova, V. G., "On the Theory of the Daytime Sky Brightness Under Conditions of a Spherical Earth," Vol. 32, No. 3, 1955. *

Fesenkova, V. G., and Rozhkovskiy, D. A., "Some Data on the Nature of Stars Originating From Gas-Dust Nebulae," Vol. 30, No. 1, 1953. (AD-47809) *

ASTRONOMICHESKI ZHURNAL (Cont'd)

- Ghevyshev, M. N., and Ol', A. I., "Concerning the 22-Year Cycle of Solar Activity," Vol. 25, No. 1, 1948. (AD-120670) *
- Karimov, M. G., "Determination of the Effective Height of the Nocturnal Luminous Layer," Vol. 24, No. 2, 1947. *
- Karimov, M. G., "The Nature of the Counterglow," Vol. 29, No. 6, 1952. *
- Krasovskiy, V. I., "On Certain Optical Manifestations of the Process of Oxygen Recombination in the Upper Atmosphere," Vol. 33, No. 4, 1956. *
- Levin, Yu. B., "Elements of the Physical Theory of Meteors," Part I, Vol. 17, No. 3, 1940. (AD-120689) *
- Levin, Yu. B., "Elements of the Physical Theory of Meteors," Part II, Vol. 18, Nos. 4/5, 1941. (AD-120689) *
- Levin, Yu. B., "Velocities, Orbits and Masses of Meteorites," Vol. 23, No. 2, 1946. (AD-120692) *
- Mironov, A. V., and Prokudina, V. S., "Identification of the Night Sky Emission Around 5300 Å," Vol. 34, No. 3, 1957. *
- Mironov, A. V., and Shefov, N. N., "Observation of the Spectrum of Polar Light Near Moscow," Vol. 33, No. 5, 1956. *
- Radziyevskiy, V. V., "Theory of Counterglow," Vol. 30, No. 4, 1953. (AD-124087) *
- Severnyy, A. G., "Meteors and the Upper Layers of the Atmosphere," Vol. 11, No. 2, (AD-120687) *
- Shklovskiy, I. S., and Kononovitch, E. W., "On the Question of Solar Chromospheric Models," Vol. 35, 1958.
- Shklovskiy, I. S., "The Interplanetary Medium and Some Problems of Physics of the Upper Atmosphere," Vol. 35, No. 4, Jul/Aug 1958. *
- V'yushkov, P. V., and Ridel', Ye. A., "Bolometric Pyrheliometer for Absolute Measurements of Direct Solar Radiation," Vol. 34, No. 3, May/Jun 1957. (Available in Library of Congress.)

ATOMNAYA ENERGIA

- Fedorov, E. K., "On the Influence of Atomic Explosions on Meteorological Processes," No. 5, May 1956. (For sale by Consultants Bureau.)
- Gagenev, L. I., "Radioactive Contamination of the Atmosphere," Vol. 2, No. 3, March 1957. *

AUS DEM ARCHIV DER DEUTSCHEN SEEWAARTE

Ernst, W., and Seikoff, H., "The Wind and Weather Conditions in the NE Trades Region Near the Canary Island," Vol. 46, No. 4, 1929-32. (ATI-117927) *

Piersig, W., "Variations of Pressure and Wind; a Treatise on the Weather of the Trade Wind Region of the Eastern North Atlantic," Vol. 54, No. 6, 1936. (ATI-117983) *

Schinze, Gerhart, "Practical Weather Analysis," Vol. 52, No. 1, 1932. (ATI-110385) *

BAYERISCHE AKADEMIE DER WISSENSCHAFTEN, SITZUNGSBERICHTEN

Muller, H. G., and Pohl, W., "Measurement of Infra-red Radiation Flux in the Free Atmosphere," 1955. (AD-123279) *

BERICHTE DES DEUTSCHEN WETTERDIENSTES IN DER U.S.-ZONE (BUNDES REPUBLIK)

Brezowski, Helmuth, and Hess, Paul, "Catalog of Large-Scale Weather Situations in Europe," No. 33, 1952. (AD-12720) *

Dammann, W. von., "The Distribution of Upper Troughs in the 500-mb Surface and Their Influence Upon the Climate of the Temperate Latitudes," No. 42, 1952. (AD-78346) *

Flohn, H., "On the Mechanism of the General Circulation," (Chapt. I only), No. 18, 1950.

Flohn, H., "The Planetary Circulation of the Atmosphere Up to the 30-km Level," No. 12, 1950. (AD-32221) *

[Germany, Reichsamt für Wetterdienst, Luftwaffe], "Presentations and Discussion at the Special Conference on 'Ozone' held at Tharandt on April 17-18, 1944," No. 11, 1949. *

Guss, H., "Climatology in the Service of Air Travel," No. 42, 1952. *

Hinkelmann, K., et al., "Physical-Mathematical Principles of the Numerical Integration in a Baroclinic Atmosphere," No. 36, 1952.

Hinzpeter, M., "On the Aerodynamics of the Radiosonde Ascent," No. 35, 1952. *

Kampe, autm H. J., "Humidity Conditions in Cirrus Clouds and the Resulting Ice Crystal Forms," No. 38, 1952. (AD-119296) *

Kaufmann, P., "Comments on the Jet Stream in Atlantic Weather Service," No. 12, 1950. (AD-70691) *

Lettau, Heinz, "Synthetic Climatology," No. 38, 1953. (Rev.) (AD-146591) *

Mildner, P., "Extended Forecasting," No. 35, 1952. (ATI-169046) *

Prandtl, L., "Dynamic Explanation of the Jet-Stream Phenomenon," No. 12, 1950.

Schmidt, G., "On the Utilization of Climatic Dust Tests in City Planning Practice," No. 38, 1952. *

Schwerdtfeger, W., "The Cold Air Drop," No. 3, 1947. (ATI-116324) *

BERICHTE DES DEUTSCHEN WETTERDIENSTES IN DER U.S. -ZONE (BUNDESREPUBLIK)
(Cont'd)

Weickmann, L., "The Organization of a Modern Weather Service," No. 42, 1952. (ATI-201883) *

BERICHTE DES DEUTSCHEN WETTERDIENSTES

Paetzold, Hans Karl, "Meteorology of the Stratosphere," Vol. 4, No. 22, 1956.

BEITRÄGE ZUR GEOLOGIE DER SCHWEIZ, GEOTECHNISCHE, HYDROLOGIE

Bader, H., et al., with an Introduction by P. Niggli, "Snow and Its Metamorphism," Lieferung 3, (1939). *

Bucher, Edwin, "Contribution to the Theoretical Foundations of Avalanche Defense Construction," Lieferung 6, (1948). *

Hoeck, Erwin, "Influence of Radiation and Temperature on the Melting Process of the Snow Cover," Lieferung 8, (1952). (AD-158120) *

BEITRÄGE ZUR GEOPHYSIK (See: GERLANDS BEITRÄGE)BEITRÄGE ZUR PHYSIK DER FREIEN ATMOSPÄRE (Leipzig)

Haude, W., "Temperature and Exchange of the Ground Layer of Air Over a Desert," Vol. 21, No. 2, 1934. (Available in US Weather Bureau Library)

Hohndorf, Fritz, "Air Flow in the Upper Rhenish Lowland During the Prevalence of Westerly Winds," Vol. 14, No. 4, 1928. (ATI-27928) *

Koschmieder, Harald, "Theory of Horizontal Visual Range," Vol. 17, 1925-26. (ATI-110158) *

Kuettner, J., "On the Development of the Föhn Wave, Investigation Based on Wave-Gliding Experiences and Observations of the Moazagotl Cloud," Vol. 25, No. 2, 1938. (ATI-28019) *

Kuettner, J., "Moazagotl Cloud and Föhn Waves," Vol. 25, No. 2, 1939. *

Lammert, L., "Studies of Fronts in Australia," Vol. 19, 1932. (ATI-110434) *

Lange, K. O., "The Aerological Conditions in Cumulus and Cu-Nb Clouds Obtained in an Aeroplane Flight on 1 July 1929," Vol. 16, No. 2, 1930. *

Lipp, H., "On the Evaluation of Air Waves Observed in the Course of a Balloon Flight," Vol. 21, No. 2, 1933. (ATI-28017) *

Loeser, G., "On the Temporal and Spatial Validity Range of Upper-Wind Measurements," Vol. 27, No. 2, 1941. (AD-47808) *

BEITRÄGE ZUR PHYSIK DER FREIEN ATMOSPHERE (Leipzig) (Cont'd)

- Loeser, G., "The Accuracy of Radio Wind Measurements," Vol. 27, No. 3, 1942. (ATI-23146) *
- Mann, Gerhard, "Investigation Pertaining to the Aerological Conditions Controlling the Formation of Precipitation in the Atmosphere on the Basis of Upper-Air Observations Made by the Aerological Station at Königsberg, Prussia," Summary: Vol. 26, No. 3, 1939-40. (ATI-27925) *
- Mollwo, H., "Variability of Pressure Compensation," Vol. 23, No. 3, 1936. (ATI-27890) *
- Peppler, W., "On the Aerology of Clouds, Particularly Nimbus," Vol. 23, No. 4, 1936. (ATI-27870) *
- Peppler, W., "Haze Layers in the Free Atmosphere as Observed by Aerological Stations in Germany," Vol. 24, No. 4, 1936. (ATI-27891) *
- Peppler, W., "Changes of Humidity Over Lake Constance in the Case of Warm and Cold Air Invasions," Vol. 14, No. 3, 1928. (ATI-27935) *
- Peppler, W., "Trails of Precipitation (Virgae)," Vol. 26, No. 1, 1932. *
- Peppler, W., "Contribution to the Knowledge of Fallstreifen," Vol. 26, No. 1, 1940. *
- Petitjean, L., "Frontology of North Africa," Vol. 19, 1932. (ATI-110389) *
- Reinhardt, H., "A Contribution to the Problem of High Clouds Induced by Obstacles," Vol. 26, No. 1, 1939. (ATI-27968) *
- Robitzsch, M., "The Icing of Aircraft," Vol. 18, No. 4, 1932. (ATI-42179)
- Weickmann, H., "Shapes and Formation of Atmospheric Ice Crystals," Vol. 28, Nos. 1/2, 1945. (ATI-110165) *
- Weickmann, L., "Weather Conditions During the Polar Flight of the 'Graf Zeppelin'," Vol. 19, 1932. (ATI-145126) *

BEITRÄGE ZUR PHYSIK DER ATMOSPHERE

- Muehleisen, R., "An Easily Transportable Potential-Sonde for Field Measurement of Atmospheric," 29 Feb 1956. *
- Muehleisen, R., "Lessening of Insulation Problems in Making Measurements of Atmospheric Electrical Potential," 29 Feb 1956. *

BERICHTE, METEOROLOGISCHES OBSERVATORIUM REICHSAMT FÜR WETTERDIENST, POTSDAM

- Koschmieder, H., "Light Intensity of the Searchlight Ray, Weakening Exponent and Dispersion Function," Vol. 3, No. 4, 1944. (ATI-52039) *

BOLETIN DE SOCIEDAD DE GEOGRAPHIA, LISABON (Lisbon)

Giao, Antonio, "General Solution of the Problem of Mathematical Long-Range Weather Forecasting," August 1942. (ATT-27839) *

BOLLETTINO DELLA SOCIETA ITALIANA DI GEOFISICA E METEOROLOGIA

Falsino, G., "Solar Activity, Apparent Sun and Differential Precipitation (Daytime and Night-time) at Collurania During the Thirty Years 1925-1954," Vol. IV, Nos. 1/2, 1956. (AD-143080) *

BOL'SKAYA SOVETSKAYA ENTSIKLOPEDIYA

USSR, "Astronomy, Geodesy, and Geophysics," Vol. 50, 1957. *

BOTANICHESKI ZHURNAL

Ivanov, L. A., "An Actinometric Method of Determining the Transpiration of Forest," Vol. 36, No. 5, 1951.

Radchenko, S. I., "The Laboratory of Artificial Climate," Vol. 41, No. 2, 1956. *

BULLETIN DE L'ACADEMIE DES SCIENCES DE L'U.R.S.S. (See: IZVESTIYA AKADEMIIA NAUK)BULLETIN OF THE ACADEMY OF SCIENCES, U.S.S.R. (See: IZVESTIYA AKADEMIIA NAUK)BULLETIN OF ALL-UNION GEOGRAPHICAL SOCIETY (See: IZVESTIYA VSESOYUZNOGO GEOGRAFICHESKOGO OBSCHESTVA)BULLETIN GEOPHYSICAL CENTRAL OBSERVATORIUMS (See: IZVESTIYA GLAVNOI GEOFIZICHESKAYA OBSERVATORIA)BULLETIN F.A.I.A. (France)

Delhaye, J., "Icing of Turbojet Engines," No. 1, 1957. *

BULLETIN DE L'ASSOCIATION TECHNIQUES: ESPACES

Jarlaud, R., "The Stratospheric Glider and Scientific Research," July 1947. *

BULLETIN DE L'INSTITUT FRANCAIS D'AFRIQUE NOIRE

Masson, H., "Atmospheric Condensation Not Recordable by Rain-Gauges; Condensation Water and Vegetation," Tome X, 1948.

BULLETIN DES SERVICES TECHNIQUES

France, Committee for the Study of Ice Formation. "Report on Ice Formation on Aircraft," No. 55, 1938. (ATI-57102) *

BULLETIN DER SCHWEIZERISCHER ELEKTROTECHNISCHER VEREIN (Zurich)

Nobile, Guido, "Direction Finder for Atmospheric Disturbances," Vol. 34, No. 2, 1943. (ATI-110106) *

BYUL', STALIN, ASTRONOMICHESTKII OBSERVATORII

Dobrovolskiy, O. V., "Diffusion of Meteoric Trails," No. 1, 1952. (For sale by John Crerar Library.)

CIFI-HSIANG HSUEH-PAO (JOURNAL OF CHINESE METEOROLOGY)

Brazilevits, V. V., and Sveta, M. E., "Review of General Meteorology Physics of the Atmosphere," Vol. 25, No. 1, March 1954. *

Lu, A., "A Preliminary Study of Fogs Along the China Coast," Vol. 13, No. 9, 1937. (ATI-164768) *

Ku Chen-Ch'ao, "Preliminary Research in the Regional Forecasting of Early and Late Frost in China," Vol. 25, No. 1, 1954. *

Pagava, S. T., "Review of the Methods and Principles of Long-Range Weather Forecasting," Vol. 25, No. 1, 1954. *

Yang Chien-Chie, "The Upper Air Current Layers Over South Szechuan, China," Vol. 15, No. 1, 1941. (ATI-206626) *

Yeh Tu-Cheng, Kao Yu-hai, P'an Kufang, Hsu Shu-ying, "Cold Air Movements During the Various Seasons in China," Vol. 25, No. 1, 1954. *

CHIKYU (THE GLOBE)

Ishikawa, S., "Scenery of the Coast of Kyushu," Vol. 3, No. 1, 1925. *

CHUNG-SHAN UNIVERSITY REVIEW

Ch'en Shih-Hsun, Shen Ts'An-Shen, "Climate of Canton," 1956. *

CIEL ET TERRE

Vanenplas, A., "Meteorological Activity in Belgium, 1951-1953," Vol. 70, Nos. 3/4, Mar/Apr 1954, Brussels. *

COMPTE RENDU DE L'ACADEMIE DES SCIENCES DE L'USSR (See: DOKLADY AKADEMIIA
NAUK SSSR)COMPTE RENDU DE L'ACADEMIE DES SCIENCES, PARIS

Barbier, D., "Results of Photometric Observations of the Light of the Night Sky," Vol. 238, Feb. 1954. *

Couder, André, "The Micrometeorological Conditions of Telescopic Observations," Vol. 236, 23 Feb 1953. *

Dufay, Jean, "Altitude of Emission of Sodium D Rays at the Crepuscule, and the Role of Ozone Absorption," Vol. 225, No. 16, 1947. *

Guerin, Pierre, and Luffineur, Parius, Extract from: "On a New Model of Stellar Photo-electric Spectrophotometer for Direct Registration of Intensity," April 1954. *

Langevin, P., and Moulin, M., "On the Ions of the Atmosphere," Vol. 14, No. 5, 1905. *

Mascart, Jean, "The Percentage of Successful Results in Predicting Weather," Vol. 175, No. 16, 1922. (ATI-113132) *

Maurin, Jacques, and Medard, Louis, "Freezing a Supercooled Cloud From a Distance by Shock Wave," Vol. 225, No. 10, 1947. (ATI-38324) *

DEBRECENI SZEMLE

Derenyi, D., and Kery, M., "The Cloudburst of August 23, 1939, at Debrecen," Vol. XI, No. 11, December 1937.

DER SEEWART, NAUTISCHE ZEITSCHRIFT FUR DIE DEUTSCHE SEESCHIFFFAHRT

Harders, H., "Choice of the Most Favorable Course," (Summary) Vol. XVII, No. 6, December 1956. (AD-125635) *

Rodewald, Martin, "On the Question of Meteorological Navigation," Vol. XV, No. 4, 1954. *

Roll, H. U., "On the Practical Application of Sea Disturbance Statistics," Vol. XVI, No. 6, 1956. *

Seilkopf, H., "The Foaming of Sea Water as a Wind Speed and Plankton Indicator," Vol. XVII, No. 6, December 1956. (AD-125636) *

DER WETTERLOTSE

Bartels, J., "Preview of the International Geophysical Year," No. 93, October 1955. *

DEUTSCHE AKADEMIE DER LUFTFAHRTFORSCHUNG, Berlin (See: JAHRBUCH;
SCHRIFTEN; FORSCHUNGSBERICHT)

DEUTSCHE HYDROGRAPHISCHE ZEITSCHRIFT

Granka, Karl, "The Refractive Index Gradient for Electromagnetic Waves (Centimetre to Metre Band) in the Maritime Boundary Layer of the Atmosphere," Vol. VIII, 1955. *

Hansen, Walter, "Tidal Currents in the English Channel," Vol. III, Nos. 3/4, 1950. (AD-78520) *

Rodewald, M., "The Recent Rise in Temperature in the Coastal Waters of the Atlantic Coast of North America," Vol. IX, No. 4, 1956.

Rodewald, M., "The Temperatures of the Waters of the Pacific Coast of North America From 1920-1951," Vol. IX, No. 4, 1956.

Roll, H. U., and Fischer, G., "A Critical Remark on Neumann's Sea Spectrum," Vol. IX, No. 1, 1956. *

Walden, Hans, and Farmer, H. G., "Evaluation of the Sea Motion Recorded by the Shipborne Wave Recorder of the Expedition Ship 'Atlantis' and Its Comparison With the Respective Computations Based on Hind Casting," Vol. X, No. 4, 1957.

Walden, Hans, "The Height of the Wind Sea in a Traveling Rectangular Fetch," Vol. VII, Nos. 3/4, 1954. (AD-129076) *

Walden, Hans, and Juergen, Piest, "Material Concerning the Question on Wave Spectrum in Wind Waves," Vol. X, No. 3, 1957.

Waljen, Hans, "Proposal to Change Neumann's Constant 'C' When Calculating Wave Height From Wind Strength," Vol. IX, No. 1, 1956. *

Walden, Hans, "Swell and Wind Pressure," Vol. VII, Nos. 3/4, 1954. (AD-119294) *

DEUTSCHE LUFTFAHRTFORSCHUNG FILMBERICHTE

Harling, R., et al., "Behavior of Aircraft During Cross-Wind Take-Off," No. 8, 1943? (ATI-101439) *

DEUTSCHE LUFTFAHRTFORSCHUNG, FORSCHUNGBERICHT, ZWB (Berlin)

Dreyer, H. J., "Solution of Systems of Linear Equations by Means of Punched-Card Machines," No. 221, August 1943. (ATI-22885) *

Weickmann, H., "Experimental Investigation of the Formation of Ice and Water Nuclei at Low Temperatures and the Conclusions With Reference to the Growth of Atmospheric Ice Crystals," No. 1720, 1942. (AD-35196) *

DIE FISCHWIRTSCHAFT

Rodewald, M., "Climatic Variations and the Northern Fisheries Area," Vol. 5, No. 12, 1953.

DIE NATURWISSENSCHAFTEN

Mentelissen, H., "Electric Charges on Condensation Nuclei in the Absorption and Precipitation of Water," Vol. 45, No. 2, 1958. *

Sander, A., and Damkohler, G., "Supersaturation in the Spontaneous Formation of Nuclei in Water Vapor," Vol. 31, Nos. 39/40, Sept. 1943. *

DIE UMSCHAU (IN WISSENSCHAFT UND TECHNIK)

Lettau, Heinz, "What do Lunar Temperatures Tell Us Concerning the Nature of the Moon's Surface," Vol. 52, No. 14, 1952. (AD-78211) *

Loewe, F., "Exploration of Inland Ice Caps, Greenland and Antarctica," Vol. 56, 1956.

Paetzold, Hans Karl, "Atmospheric Ozone," Vol. 57, 1957. *

DIE WISSENSCHAFT (Braunschweig)

Geiger, H., "The Climate of the Layer of Air Near the Ground," Vol. 78, 1927. (ATI-110388) *

DOCARERO

Orr, J. L., et al., "Thermal De-Icing," No. 29, Sept. 1954. (AD-127343) *

DOKLADY AKADEMIIA NAUK SSSR (C. R. ACAD. SCI. URSS; BULL. ACAD. SCI. USSR)

Anon., "Effect of Variable Flux of Positive Solar Particles on Ionospheric Wind," Vol. 107, No. 1, 1956.

Amelin, A. G., "Formation of Radiation Fogs," Vol. 77, No. 2, 1951. (ATI-199443) *

Arabadzhi, V. I., "Contact-Potential Difference Between Water and Ice," Vol. 60, No. 5, 1948. *

Arabadzhi, V. I., "Certain Characteristics of Thunder," Vol. 82, No. 3, 1952. *

Arabadzhi, V. I., "The Measurements of Electric Field Intensity in Thunderclouds by Means of a Radiosonde," Vol. 111, No. 1, 1956. *

Azimov, S., et al., "'Special' Showers of Cosmic Radiation," Vol. 65, No. 5, 1949. (ATI-84627) *

Bagariatskii, B. A., and Fedorova, N. I., "Auroral Spectrum in the Region 9000-10500 Å," Vol. 103, No. 6, 1955. *

Bagariatskii, B. A., and Morozukovicj, M. I., "Spectra of the Aurora Polaris in the Infra-red Region," Vol. 82, No. 1, 1952.

Bagariatskii, B. A., et al., "Re the Infra-red Emission of the Night Sky and the Aurora," Vol. 82, No. 4, 1952. *

DOKLADY AKADEMIIA NAUK SSSR (C. R. ACAD. SCI. URSS; BULL. ACAD. SCI. USSR)
(Contd.)

- Bibikov, D. N., "The Number of Ice Crystals in Supercooled Water," Vol. 109, No. 6, 1956. *
- Blinova, Ye. N., "The Hydrodynamic Theory of Pressure Waves and Activity Centers of the Atmosphere," Vol. 39, No. 7, 1943. *
- Blinova, Ye. N., "Nonlinear, Nonstationary Problem of the Determination of the Pressure Field on a Planetary Scale at the Mid-Level of the Atmosphere," Vol. 120, No. 2, 1958.
- Bogustavskiy, S. G., "The Dependence of the Coefficient of Turbulence of the Parameters of Marine Waves," Vol. 55, No. 3, 1957. (For sale by Consultants Bureau.)
- Brekhovskii, L. M., "The Propagation of Sound in an Underwater Sound Channel," Vol. 69, No. 2, 1949. (ATI-101507)
- Briunelli, Ye. B., "Possible Cause of the Disturbance in Daily Variation S_D of the Terrestrial Magnetic Field," Vol. 99, No. 5, 1954. (AD-137536) *
- Cesewich, V. P., "On the Problem of the Drift of Meteor Trails," Vol. 74, 1950. (AD-45177) *
- Chebotaev, N. P., "Evaporation From the Surface of a Soil With a Ground-Water Level Below the Surface," Vol. 71, No. 2, 1950.
- Chuvayev, K., "Luminescence of the Terrestrial Atmosphere in the Continuous Spectrum," Vol. 87, No. 4, 1952. (AD-45153) *
- Deriagin, B. V., and Todes, O. M., "A Theory of the Movement of Droplets in an Anabatic Current of Air Subsaturated or Supersaturated With Vapor, and its Possible Meteorological Application," Vol. 62, No. 1, 1948. (ATI-87565) *
- Deriagin, B. V., and Bakanov, S. P., "The Theory of the Motion of Small Aerosol Particles in a Diffusion Field," Vol. 117, No. 6, 1957.
- Dobronravine, P. P., and Khvostikov, I. A., "Spectra of the Luminescence of the Night Sky in the Ultra-Violet Region," Vol. 23, No. 3, 1939. *
- Federov, E. K., "A New Method of Investigating the Ion Spectrum in the Atmosphere," Vol. 82, No. 5, 1952. (AD-41662) *
- Fel'zenbaum, A. I., "Theoretical Basis for the Calculations Drift of Ice in the Central Arctic Basin," Vol. 133, No. 2, 1957. *
- Fel'zenbaum, A. I., "The Theory of Steady Currents in a Shallow Sea With Variable Vertical Exchange Coefficient," Vol. 133, No. 1, 1957. (For sale by Consultants Bureau, \$5.)
- Fesenkov, V. G., "Luminance of the Cloudless Sky in the Case of a Spherical Earth," Vol. 101, No. 5, 1955. *
- Forsh, L. F., "Evaporation From Lake Baikal Ice Surfaces in the Winters of 1942 to 1945," Vol. 66, No. 2, 1949. (AD-44765) *

DOKLADY AKADEMIIA NAUK SSSR (C. R. ACAD. SCI. USSR; BULL. ACAD. SCI. USSR)
(Cont'd)

- Gogoleva, Ye. L., "Using Humidity Charts in the Prognosis of Low Cloudiness," Vol. 109, No. 7, 1956. *
- Golovkov, M. P., "On the Structure of Natural Ice-Masses of Various Origins," Vol. 78, No. 3, 1951.
- Gutman, L. N., "The Application of the Method of Waves to the Problem of Air Flow About Mountains," Vol. 155, No. 3, 1957. (For sale by the Consultants Bureau.)
- Gutman, L. N., "Theoretical Model of the Cumulus Cloud," Vol. 112, No. 6, 1957. *
- Idlis, G. M., et al., "Determining Magnetic Field Intensity in Prominences From the Movement of Their Knots in the Picture Plane," Vol. 102, 1955. (AD-161717) *
- Imyanitov, I. M., "The Problem of the Electrification and Conductivity of Cumulonimbus Clouds," Vol. 109, No. 1, 1956. *
- Iudalevick, F. F., "On the Role of Secondary Scattering of Light in Twilight Phenomena," Vol. 55, No. 8, 1947.
- Kachurin, L. G., "The Probability of Ice Nuclei Formation in Supercooled Water," Vol. 93, No. 2, 1953. *
- Kaliniak, A. A., "Observation of the Corona of the Uneclipsed Sun by Infrared Light," Vol. 72, No. 4, 1950 (ATI-120801) *
- Kapitsa, A. D., "The Question of the Formation of Sea Waves by Wind," Vol. 64, No. 4, 1949.
- Kazantsev, A. N., "First Observations of the Nocturnal Ionized Layer Lying Above the Layer F_2 ," Vol. 58, No. 7, 1948. (ATI-113122) *
- Khvostikov, I. A., and Shubin, A. A., "Polarization of the Night Sky in the Ultra-Violet Region of the Spectrum," Vol. 27, No. 3, 1940. (AD-111046) *
- Khvostikov, I. A., "Polarization of the Emission Lines in the Spectra of Night Sky in the Ultraviolet Region of the Spectrum," Vol. 27, No. 3, 1940. (AD-111047) *
- Kolesnikov, A. G., and Belyayev, V. I., "The Crystallization of Supercooled Water Subject to Turbulent Mixing," Vol. 109, No. 6, 1956. *
- Krasovskii, V. I., "Concentration of Hydroxyl in the Upper Atmosphere," Vol. 99, No. 6, 1954. (AD-111048) *
- Krasovskii, V. I., "The Effect of Water Vapors and Carbon and Nitrogen Oxides on Night Sky Luminosity," Vol. 78, No. 4, 1951. (AD-32963) *
- Krasovskii, V. I., "On the Nocturnal Radiation of the Sky in the Infrared Spectral Region," Vol. 98, No. 1, 1949.
- Krasovskii, V. I., "On the Luminescence Mechanism of the Night Sky," Vol. 77, No. 3, 1951. (ATI-116436) *

DOKLADY AKADEMIIA NAUK SSSR (C. R. ACAD. SCI. USSR; BULL. ACAD. SCI. USSR)
(Cont'd)

- Krasovskii, V. I., and Lukashenia, V. L., "On the Question of Identification of Night Sky Spectrum in the Neighborhood of 10,000 Å," Vol. 80, No. 5, 1952. (AD-3237) *
- Krasovskii, V. I., and Lukashenia, V. L., "On the Reproducibility of the Night Sky Spectrum in the 8000-9000 Å Neighborhood," Vol. 81, No. 5, 1951. (AD-3233) *
- Krasovskii, V. I., "New Data on Night Sky Radiation in the 8,800-11,000 Å Region," Vol. 70, No. 6, 1950.
- Krasovskii, V. I., "The Night Radiation of the Sky in the Infrared Region of the Spectrum," Vol. 66, No. 1, 1949.
- Krasovskii, V. I., "The Nature of Infrared Night Sky Radiation," Vol. 73, No. 4, 1950.
- Krincov, E. L., and Fonton, S. S., "Discovery of Meteoric Dust at the Place of Fall of the Sikhote-Alin Shower of Iron Meteorites," Vol. 85, No. 6, 1952. (AD-118436) *
- Laikhtman, D. L., and Yudin, M. I., "Transformation of the Surface Atmospheric Layer Under the Effect of the Underlying Surface," Vol. 93, No. 2, 1953.
- Lebedinski, A. I., "The Ray and Arc Forms of the Aurora," Vol. 86, No. 5, 1952. (AD-3230) *
- Levin, L. M., "The Coagulation of Charged Cloud-Droplets," Vol. 94, No. 3, 1954. *
- Levin, L. M., "The Precipitation of Particles From an Aerosol Current on an Obstruction," Vol. 91, No. 6, 1953. *
- Levin, L. M., "Size Distribution Function for Cloud-Droplets and Raindrops," Vol. 94, No. 6, 1954. *
- Levin, L., and Starostina, R., "Some Results From the Investigation of Cloud Structure," Vol. 93, No. 2, 1953. (For sale by United Kingdom Scientific Mission.)
- Lukashenia, V. T., and Krasovskii, V. I., "Details Concerning the Night Sky Spectrum from 9,500-12,000 Å," Vol. 79, No. 2, 1951.
- Maksimov, I. V., "On the Eight-Year Cycle of Terrestrial Climatic Fluctuations," Vol. 86, No. 5, 1952. (AD-3885) *
- Maksimov, I. V., "The 'Polar Tide' in the World Ocean," Vol. 108, No. 5, 1956. *
- Megrellishvili, T. A., and Khvostikov, I. A., "The Structure of the Upper Atmosphere Strata According to Twilight Observations," Vol. 59, No. 7, 1948. *
- Monin, A. S., and Obukhov, A. M., "Dimensional Characteristics of Turbulence in the Layer of Atmosphere Close to the Ground," Vol. 83, No. 2, 1953. *
- Morozov, V. M., "On Nonmolecular Light Scattering in High Layers of the Atmosphere," Vol. 113, No. 5, 1957. *
- Muchnik, V. M., "Chain Process for Charge Accumulation in Thunderclouds," Vol. 99, No. 6, 1954. (For sale by John Crerar Library.)

IZVESHCHENIYA AKADEMII NAUK SSSR (C. R. ACAD. SCI. URSS; BULL. ACAD. SCI. USSR)
(Cont'd)

- Naginski, N. A., "The Growth Mechanism of the Quaternary Ice-Sheets of the West Siberian Plain," Vol. 91, No. 3, 1953. (AD-59633) *
- Nikolski, A. P., "Geographic Distribution of Magnetic Disturbance in the Circumpolar Region of the Arctic," Vol. 109, No. 5, 1956. *
- Nikolski, A. P., "The World-Wide Distribution of Magneto-Ionospheric Disturbance and Aurora," Vol. 115, No. 1, 1957. *
- Obukhov, A. M., "Local Structure of Atmospheric Turbulence," Vol. 67, No. 4, 1949. (AD-70412) *
- Orfanidi, K. F., "Carbon Dioxide in Subsurface Waters," Vol. 155, No. 5, 1957. (For sale by Consultants Bureau.)
- Osherovich, A. L., and Rodionov, S. F., "The Night Sky Luminescence in the Region From 1 to 3 Microns," Vol. 96, No. 3, 1954. *
- Paramonov, N. A., "The Unitary Variation of the Gradient of Atmospheric Electric Potential," Vol. 70, No. 1, 1950. *
- Pavlova, E. N., "Energy Distribution in the Luminosity Spectrum of the Night Sky," Vol. 98, No. 5, 1954. (AD-204642) *
- Pavlova, E. N., et al., "Distribution of Infrared Night Sky Radiation Intensity Over the Dome of the Sky," Vol. 73, No. 1, 1950. *
- Pikelner, S. B., and Chuvayev, K. K., "The Probable Mechanism of the Night-Sky Luminescence in the Continuous Spectrum," Vol. 88, No. 4, 1953.
- Popkov, V. I., "The Coefficient of Recombination of Ions Under Conditions of a Corona Discharge in the Atmospheric Air," Vol. 59, No. 1, 1949. *
- Prokhorov, P. S., "The Effect of the Saturation Deficit Upon the Coagulation Rate of Water Aerosols," Vol. 81, No. 4, 1951. *
- Rodionov, S. F., et al., "Annual Variation of the Infrared Radiation of the Night Sky," Vol. 98, No. 6, 1954. (AD-204642) *
- Rodionov, S. F., and Pavlova, E. N., "Concerning the Infrared of the Night Sky," Vol. 65, No. 3, 1949. *
- Rodionov, S. F., and Fishkova, L. M., "Infrared Radiation of the Aurora Polariorum," Vol. 70, No. 6, 1950. (AD-32961) *
- Rodionov, S. F., et al., "Measurements of the Green Line of Night Sky Luminosity Using a Photometer With a Secondary-Electronic Multiplier," Vol. 66, No. 1, 1949. (AD-59623) *

DOKLADY AKADEMII NAUK SSSR (C. R. ACAD. SCI. USSR; BULL. ACAD. SCI. USSR)
(Cont'd)

- Rodionov, S. F., and Pavlova, E. N., "Measurement of Ultra-Violet Night Sky Luminosity," Vol. 79, No. 6, 1951.
- Rodionov, S. F., and Pavlova, E. N., "The Radiation of Atmospheric Sodium," Vol. 62, No. 2, 1949. (AD-120663) *
- Rozenberg, G. V., et al., "The Effect of Multiple Scattering of Light Upon the Brightness of the Twilight Sky," Vol. 59, No. 7, 1948.
- Rozenberg, G. V., and Mikhaylin, I. M., Summary: "Experimental Detection of Ellipticity in the Polarization of Scattered Light," Vol. 122, No. 1, 1958. *
- Sarymsakov, T. A., et al., "The Nature of the Southwest Asia Low-Pressure Region," Vol. 73, No. 2, 1950. (ATI-153707) *
- Sellakov, N. Ia., "Some Observations on Processes Connected With the Formation of Ice," Vol. 70, No. 5, 1950. *
- Shifrin, K. S., "The Theory of Scattering of Light by Impurities in the Atmosphere and Hydrosphere," Vol. 59, No. 3, 1948. (ATI-110474) *
- Shishkin, N. S., "The Dimensions of Raindrops," Vol. 90, No. 2, 1953. *
- Shklovskii, I. S., "The Excitation Mechanism of the Aurora," Vol. 81, No. 4, 1951. (AD-3240) *
- Shklovskii, I. S., "Identification of Infrared Radiation of the Night Sky by Vibrational-Rotational Bands of the OH Molecule," Vol. 75, No. 3, 1950. *
- Shklovskii, I. S., "Quantitative Analysis of the Intensity of OH Radiation of the Night Sky," Vol. 75, No. 6, 1950. (AD-29067) *
- Shklovskii, I. S., "The Radiation of Hydrogen Lines in Aurora Polaris Spectra," Vol. 81, No. 3, 1951. (AD-39068) *
- Shtaude, N. M., "On the Influence of the Scattering of the Second Order Upon the Brightness of Twilight in the Zenith," Vol. 59, No. 7, 1948. *
- Shtaude, N. M., "The Attempt to Determine the Temperature of the Upper Layers of the Terrestrial Atmosphere From Observations of the Brightness of the Twilight Arc," Vol. 74, No. 4, 1950. *
- Shtokman, V. B., "Characteristic Features of the Coastal Zone Circulation in the Sea and Their Connection With the Transverse Non-Uniformity of the Wind," Vol. 54, No. 3, 1946.
- Shtokman, V. B., "Correlation Between the Field of the Wind, Field of Absolute Currents and the Mean Field of Mass in a Non-Homogeneous Ocean," Vol. 59, No. 4, 1948. (ATI-145585) *

DOKLADY AKADEMIIA NAUK SSSR (C. R. ACAD. SCI. URSS; BULL. ACAD. SCI. USSR)
(Cont'd)

- Shtokman, V. B., "Influence of Bottom Topography on the Direction of the Average Transport Induced by the Wind of the Field of Mass in a Non-Homogeneous Ocean," Vol. 59, No. 5, 1948. *
- Shtokman, V. B., "New Evidence of the Significance of the Irregularity of the Wind as One of the Reasons for Circulation in the Sea," Vol. 58, No. 1, 1947.
- Shtokman, V. B., "Significance of Wind and Relief of the Bottom on the Formation of Observed Features of the Dynamic Topography of the South Atlantic Ocean," Vol. 60, No. 6, 1948. *
- Shtokman, V. B., "Determination of Current Velocities and Density Distribution of a Cross-Section of an Infinitely Long Channel, as Related to the Action of the Wind and of Side-Friction in the Coriolis-Force Field," Vol. 71, No. 1, 1950.
- Shtokman, V. B., "Temative, Indirect Determination of the Velocities of the Trade Winds in the Equatorial Part of the Pacific Ocean," Vol. 53, No. 6, 1946.
- Shtokman, V. B., "Characteristics of Spreading of Atlantic Water Into the Polar Basin," Vol. 48, No. 1, 1945. (ATI-110170) *
- Shuleikin, V. V., "On the Kinematics of Ocean Waves," Vol. 113, No. 5, 1957. (For sale by Consultants Bureau, \$5.)
- Shuleikin, V. V., "How the Energy of the Wind is Transferred to the Waves," Vol. 91, No. 5, August 1953. *
- Shuleikin, V. V., "The Terrestrial Magnetic Field and the World Ocean," Vol. 76, No. 1, 1951. *
- Shuleikin, V. V., and Komeva, L. A., "Effect of Variable Flux of Positive Solar Particles on Ionospheric Wind," Vol. 107, No. 1, 1956. *
- Shuleikin, V. V., "Separation of the Monsoon Component From the General Atmospheric Currents," Vol. 71, No. 6, 1950. (AD-149772) *
- Shuleikin, V. V., "Increase in Length of Large Wind Waves and the Role of Internal Turbulent Friction," Vol. 113, No. 3, 1957.
- Shuleikin, V. V., "The Profile of Wind Waves and the Recording of It on Bottom Wave-Recorders," Vol. 115, No. 5, 1957. *
- Sivkov, S. I., "The Atmosphere Effective Coefficient of Transparency," Vol. 80, No. 4, 1951. *
- Sukharevskii, M. M., "Reverberation of the Sea for Directional Emission and Reception of Sound," Vol. 58, No. 1, 1947. (ATI-110168) *
- Timofeyeva, V. A., "The Dependence of the Shape of a Polar Luminance Diagram on the Ratio of the Absorption and Scattering Coefficients," Vol. 113, No. 3, 1957. (For sale by Consultants Bureau, \$5.)

DOKLADY AKADEMIIA NAUK SSSR (C. R. ACAD. SCI. URSS; BULL. ACAD. SCI. USSR)
(Cont'd)

- Tkachevich, V. P., "The Drift of Meteor Trails," Vol. 74, No. 4, 1950. *
- Vasmut, N. A., et al., "Observations of Variations in the Intensity of the Green Line of Night Sky Luminescence," Vol. 19, No. 5, 1938. *
- Vernov, S. N., et al., "Azimuthal Asymmetry of Cosmic Rays in the Stratosphere at the Equator," Vol. 85, No. 3, 1953. *
- Veshev, A. V., et al., "A New Form of the Earth's Natural Electric Field," Vol. 12, No. 6, 1952. (AD-137537) *
- Vialov, S. S., "Creep and Long-Term Strength of Frozen Soils," Part II, Vol. 104, No. 6, 1955.
- Vialov, S. S., "Cohesion of Frozen Soils," Part I, Vol. 104, No. 4, 1955.
- Vitkevich, V. V., "An Experimental Method of Determining Coordinates of Bursts of Radio Transmission," Vol. 86, No. 1, 1952. (AD-3239) *
- Volynaki, M. S., "On the Break-up of Droplets in an Air Stream," Vol. 62, No. 1, 1948. (AD-69791) *
- Votintsev, K. K., "Chemical Composition of the Waters From Atmospheric Precipitation in the Baykal Area," Vol. 95, No. 5, 1954. *
- Vsekhsvtatskiy, S. K., "Comparative Study of the Curves of Solar Activity by Various Indexes," Vol. 67, No. 2, 1949. (AD-120708) *
- Vul'fson, N. I., "Convective Movements in Cumulus Clouds," Vol. 97, No. 1, 1954. (For sale by Associated Technical Services.)
- Yoglam, A. M., "Local Structure of a Temperature Field in a Turbulent Flow," Vol. 69, No. 6, 1949.
- Yudin, M. I., "Precalculation of a Wind Field and the Associated Meteorological Elements," Vol. 112, No. 1, Jan/Feb 1957. (For sale by Consultants Bureau.)

DOKLADY VSESOYUZNOI AKADEMIIA SEL'SKO-KHOZIAISTVENNYKH NAUK IM V. I. LENINA, AGROFIZIK

- Koliasev, F. R., "The Universal Hygrometer," Issue No. 8, 1941. (ATI-27903) *

EINZELVERÖFFENTLICHUNGEN DEUTSCHER WETTERDIENST:SEEWETTERAMT

- Bullig, H. J., "Atlas of Monthly Values of Water Temperature, Wind and Cloudiness Along the Sea Route Europe-South America," No. 5, 1954. (AD-88300) *
- Roll, H. U., "Values of Ocean Waves as a Function of Wind Forces," No. 6, 1954. (AD-88296) *

ELEKTROSVYAZ

Kalinin, A. I., "Distant Propagation of Ultra-Short Waves Owing to Dispersion in Troposphere," Vol. 10, No. 5, 1956.

ELEKTROTECHNISCHE ZEITSCHRIFT

Schliephake, A., "Experiments on the Influence of the Surrounding Atmosphere on Brush Contact Potential," Vol. 71, No. 2, Jan 1950. (ATI-107017) *

ERFAHRUNGSBERICHTE DES DEUTSCHEN FLUGWETTERDIENSTES

Kopp, W., "Danger of Ice Formation on Airplanes," Vol. 1, No. 25, 1929. (ATI-41376) *

ERGEBNISSE DER EXAKTEN NATURWISSENSCHAFTEN

Schoch, A., "Reflection, Refraction and Diffraction of Sound," Vol. 23, 1950. (AD-116801) *

ESPACES (See: BULLETIN DE L'ASSOCIATION TECHNIQUE)EXPERIENTIA (Basel)

Quervain, de M., "Snow as a Crystalline Aggregate," Vol. 1, Oct. 1945. (AD-35122) *

FACE AUX VENTS

Morette, A., "Chemical Composition of the Atmosphere," Vols. 13/14, 1950? (AD-59625) *

FJYGTTEKNISKA INSTITUTIONEN KUNGL. TEKNISKA HOGSKOLAN

Gullstrand, Tore, R., "Composition and Properties of the Atmosphere," No. 1, June 1947. (ATI-43398) *

FORENINGEN SKOGSARBETENS OCH KUNGL. DOMANSTYRELSENS
ARBETSSTUDIEAVDELNING, MEDDELANDE (Stockholm)

Eriksson, R., "Friction of Runners on Snow and Ice," Nos. 34/35, 1949. *

FORSCHUNGSBERICHT DEUTSCHE AKADEMIE DER LUFTFAHRTFORSCHUNG

Siedentopf, H., "Measurements of Illumination and Brightness in the Tropopause With Application to the Visibility of Aerial Targets and Stars in the Daylight Sky," No. 1937/1, April 1944.

Siedentopf, H., "Light in the Troposphere," No. 1937/1, April 1944. *

FORSCHUNGS UND ERFAHRUNGSBERICHTE DES REICHWETTERDIENSTES, REICHSAMT
FÜR WETTERDIENSTES (Berlin)

Ehmert, Alfred, and Ehmert, Hedwig, "On the Chemical Determination of Ozone Content in the Air," Ser. A., No. 13, 1941. (ATI-110391) *

Findeisen, W., "Informative Investigations Relating to the Magnitude of Electric Potential Differences and Potential Gradients Associated With Aircraft Flying Through Clouds," Ser. A., No. 25, 1944. (ATI-27919) *

Findeisen, W., and Walliser, H., "Experimental Evidence Supporting the Dependence of the Icing Limit Upon the Flying Speed," Ser. A., No. 20, 1943. (ATI-23929) *

Findeisen, W., and Schulz, G., "Experimental Investigations Relating to the Formation of Ice Particles in the Atmosphere. (Article 1)," Ser. A., No. 27, 1944. (ATI-23928) *

Schindelbauer, F., and Israel, H., "The Location of Atmospheric Radio Interference and its Use in Meteorology," Ser. B, No. 18, 1944. (ATI-45969) *

Sklerlo, Ulrich, "Statistical Interpretation of Cloud Measurements," Ser. A., No. 3, 1940. (ATI-120787) *

FORSCHUNGEN ZUR DEUTSCHEN LANDESKUNDE

Flohn, Hermann, "Weather and Climate of Germany: Part 3, The Most Important Large-Scale Weather Situations," Vol. 41, 1942. (ATI-27872) *

FRANKFURTER ABENDPOST

Faust, H., "Do Atomic Bombs Influence the Weather?" 22-24 January 1954. *

Faust, H., "Is the Disaster of 1954 Caused by Hydrogen Bomb?" 12 July 1954. *

GAZETA OBSERWATORIA PIHM

Demianszuk, Piotr, "Contemporary View of the Structure of the Earth's Atmosphere," Vol. 7, No. 9, 1954. *

Michalewski, Jerzy, "A New Theory of the Origin of Rain," Vol. 7, No. 9, 1954. *

Mikulski, Zdzislaw, "Soviet Hydrological and Meteorological Service Facing New Objectives," Vol. 6, No. 10, 1953. *

Parczewski, W., and Rybicki, Z., "The PIHM Weather Bureau on the North Sea," Vol. 7, No. 5, 1954. *

GEOFISICA E METEOROLOGIA

Alverti, G., "Atomic Tests and Atmospheric Radio-Activity," Vol. 3, Nos. 1/2, Jan/Apr 1955.

GEOFISICA E METEOROLOGIA (Cont'd)

Lecce, B., and Trono, Del, "Periodic Variations of the Mean Baric Field at 500 mb on the Hemispheric Scale and Their Use in Extended Range Forecasting," Vol. 6, Nos. 1/2, 1958. *

GEOFISICA PURA E APPLICATA

Bernasconi, Carlo, "On the Periodic (Harmonic) Analysis of Graphs," Vol. XVI, 1950. *

Bernasconi, Carlo, "A Photoelectric Instrument for Calculating the Coefficient of Correlation and Other Computations," Vol. XVII, 1950. *

Neuwirth, R., "Meteorological Appraisal of Measurement of Artificially Produced Radioactivity of the Air and Its Fallout," Vol. XXXII, No. 3, 1955. *

Quervain, M. de., "Strength Properties of a Snow Cover and Its Measurement," Vol. XVIII, 1950. *

Reichel, E., "A Consideration of Methods in Regional Climatology," Vol. XIV, Fasc. 1-2, 1949. *

Reiter, R., "Results of Atmospheric-Electric Measurements on the Zugspitzplatt, Altitude: 2500m Above Sea Level," Vol. XXX, 1955. (AD-144856) *

GEOFIZICHESKI² SBORNIK (RECUEILLE DE GEOPHYSIQUE) (Leningrad)

Berg, A. E., "Synoptic Conditions Producing Downpours in European USSR," Vol. 7, No. 1, 1929. (ATI-160883) *

GEOFYSISKE PUBLIKASJONER

Bjerknes, J., "Investigation of Certain Atmospheric Disturbances by Means of Soundings Taken at Short Intervals," Vol. IX, No. 9, 1930. *

Mohn, H., "Climatic Atlas of Norway," Vol. II, No. 7, 1921.

Refsdal, Arfinn, "Aerological Diagrams," Vol. XI, No. 13, 1937. (ATI-113156) *

GEOGRAFISKA ANNALER

Defant, A., "Convection and Ice Potential in the Polar Shelf Seas," Vol. 31, Nos. 1/4, 1949. *

Nyberg, A., and Palmen, E., "Synoptic Study of Registering-Balloon Ascents Made During the Period, October 17-19, 1935, in Connection with the International Aerological Week," Vol. 24, Nos. 1/2, 1942. (ATI-113157) *

Wallen, Axel, "Verification of Storm Warnings," Vol. 3, 1921. (ATI-120839) *

GEOGRAFIZ (Moscow)

Lebedev, V. L., Excerpt: "Downwind Drift of Iceberg Fragments," 1957. *

GEOGRAPHIC KNOWLEDGE (China)

[Anon]: "Rainy Season in China," No. 5, May 1957. *

GEOGRAPHICAL REVIEW OF JAPAN

Watanabe, Akira, "On the Elevated Deltas of Japan," Vol. 5, No. 1, January 1929.
(ATI-120869) *

Watanabe, Akira, "Preliminary Note on the Coastal Terraces of the Southern Parts of Boso Peninsula," Vol. 5, No. 2, February 1929. (ATI-120879) *

GEOLOGISCHE RUNDSCHAU

Troll, C., "Structure Soils, Solifluction, and Frost Climates of the Earth," Vol. 35, 1944. *

GEOLOGISKA UNTERSÖKNINGEN, SVENSKA GEOLOGISKA FORENINGEN

Beskow, Gunnar, "Soil Freezing and Frost Heaving With Special Application to Roads and Railroads," 26 År, No. 3, Ser. C, No. 375, 1935.

GERLANDS BEITRÄGE ZUR GEOPHYSIK

Bauer, G., "Air Circulation and Precipitation Conditions in the Near East," Vol. 45, 1935.
(ATI-148720) *

Dengel, O., "On the Formation of Clouds Resulting from Changes of Pressure of the Temperature Field," Vol. 38, 1933. (ATI-27934) *

Gutenberg, B., "Sound Velocity and Temperature in the Stratosphere," Vol. 27, n.d. (For sale by John Crerar Library, \$3.80)

Gutenberg, B., "With What Exactness Can Sound Velocity in the Stratosphere be Determined," Vol. 35, 1932. (For sale by John Crerar Library, \$2.40)

Israel, H., "Theory and Methodology of the Size Determination of Air Ions," Vol. 31, 1931.

Israel, H., "A Supplement to my Paper: Theory and Methodology of the Size Determination of Air Ions," Vol. 36, 1932.

Israel, H., "The Problem of Boundary Disturbances in Ion Measurements," Vol. 35, 1932.

Lettau, H., "Application of Recent Results from the Austausch Theory to Two Problems of Atmospheric Electricity. Distribution of Radioactive Substances in the Atmosphere and Layer Thickness of the Electrode Effect with a Linear Dependence of Austausch on Height," Vol. 57, 1941.

GERLANDS BETRÄGE ZUR GEOPHYSIK (Cont'd)

Strödel, n., "Uplide Inversions," Vol. 56, 1940. (ATI-110437) *

GIGIYENA I SANITARIYA

Gol'dberg, M. S., et al., "All-Union Conference on the Problems Involved in the Hygiene of Atmospheric Air, The Hygiene of Water, and Sanitary Bacteriology," No. 12, Moscow, Dec 1955. *

Tomson, N. M., et al., "Concerning Methods for Testing Pollution of the Atmosphere," Vol. 12, No. 6, 1947. (AD-2186) *

GRAZHDANSKAYA AVIATSIYA

Badyagin, A., "Some Cruising Conditions for a Turbojet Transport Aircraft and the Influence of Wind on Fuel Consumption," No. 12, 1955. (AD-159704) *

Kulik, M., "Flight in Thunderstorm Areas," No. 5, 1955. *

Selected Articles, No. 2, February 1957. (AD-146979) * Contents:

"The Aircraft Disperses Fog."

"Use of Sun Shadow Compass in Flight," by Ya. Ziman.

"Employment of the Mi-4 Helicopter in the Desert," by P. Karpunin.

"Improved Preheater," by S. Fulerinov.

"To Keep the Take-Off Landing Strips (Runways) in Good Order," by D. Zhezlov.

Semenov, P., "Beschleunigtes Schneeabschmelzen auf Flughäfen," No. 11, 1938. (Translated into German from Russian.) *

Teteryukov, A., "Flying Under Icing Conditions," No. 2, 1955. *

Trunov, O., "Icing and Its Effect on Aircraft Flight Characteristics," No. 1, 1955. *

Zhezlov, D., "Operation of an Airfield Under Winter Conditions," No. 1, 1955. *

GRONLANDS BOGEN (Copenhagen)

[Anon]: "Some Physical, Economic, and Sociological Aspects of Greenland," Vol. 1, No. 11, 1950.

GROUPEMENT DES ACOUSTICIENS DE LANGUE FRANCAISE, CARIERS D'ACOUSTIQUE

Baron, Paul, "Propagation of Sound in the Atmosphere and Audibility of Alarm Signals in Surrounding Noise," No. 66, 1954.

GROUPEMENT FRANCAIS POUR LE DEVELOPPEMENT RECHERCHES AERONAUTIQUES

Brun, Edmond, "Icing Detectors," No. 3, 1946. (AD-35745) *

Brun, Edmond, "A Study of Convection in Clear and Wet Air," No. 9, 1943. (AD-49891) *

HELVETICA PHYSICA ACTA

Saxer, Leonhard, "Electrical Measurements of Small Variations in Atmospheric Pressures," Vol. 18, No. 7, n.d. pp. 527-550. (For sale by John Crerar Library, \$8.60)

Thurlemann, T., "Method of Measuring Electrically the Velocity of Fluids," Vol. 14, 1941. *

HOCHFREQUENZTECHNIK UND ELEKTROAKUSTIK

Eckart, G., and Plendl, H., "Surmounting of the Earth's Curvature by Ultra-Short Waves Through Atmospheric Refraction," Vol. 52, No. 2, 1938. (For sale by John Crerar Library.)

HYDROGRAPHIC BULLETIN (Maritime Safety Agency, Tokyo)

[Anon]: "The Condition of Sea-Ice on the Coast of Hokkaido, Showa 29 (1954)," Special No. 17, 1955.

[Anon]: "Observation of the Current on the Japan Sea With Drift Bottles," Special No. 17, 1955. *

[Anon]: "On the Sea Ice in Ryoto Kaiwan," Special No. 17, 1955.

[Anon]: "A Simple Method to Infer the Current from the Distribution of Water Temperature," Special, March 1950. *

[Anon]: "Stereophotogrammetric Observations of Waves at Yura-Ko," No. 16, February 1950.

Watanabe, Hikosaka, "Observations of Kuro-Sio Region Off Sio-No-Miski and Ensyu-Nanda from 1942-1943," Special No. 17, 1955.

Yoshida, Hari, "Oceanographical State in the Adjacent Waters Off the Marshall Islands Between May and June of 1954," Special No. 17, 1955.

IDOJARAS

[Anon]: "The Status of Long Range Weather Forecasting in Hungary," No. 5, September 1953. (AD-140930) *

Aristov, N. A., "Basic Principles of Medium-Range Weather Forecasting in the Soviet Union," Vol. X, No. 6, Nov/Dec 1954. *

Berkes, Zoltan, "Methods and Results on Long Range Weather Forecasting in Hungary," Vol. X, No. 6, Nov/Dec 1954. *

IDOJARÁS (Cont'd)

- Desi, F., "Current Problems of Meteorological Research," Vol. IX, No. 2, Mar/Apr 1955. *
- Keri, M., "Meteorological Research Work Outside of the Meteorological Institute," Vol. 60, No. 6, Nov/Dec 1956. *
- Topor, N., "Research on Long-Range Weather Forecasting in the Rumanian People's Republic," Vol. X, No. 3, Nov/Dec 1954. *
- Valko, P., "A Graphic Method of Determining the Reduction of Pressure to Sea Level," Vol. IX, No. 2, Mar/Apr 1955. *

INDUSTRIE NATIONALE

- Viaut, A., "The Facilities at the Disposal of the French Meteorological Service and what it Lacks," July-Sept. 1950.

INSTITUT FÜR METEOROLOGIE UND GEOPHYSIK, FREIE UNIVERSITÄT (BERLIN)
 (See: METEOROLOGISCHE ABHANDLUNGEN)

IZVESTIYA

- Kolokolov, B., "Our Arctic," No. 131, 1 June 1958, p. 3; No. 134, 5 June 1958, p. 3; No. 136, 7 June 1958, p. 3; No. 139, 11 June 1958, p. 4. *
- Kurnosova, L., and Fradkin, M., "Cosmic Rays and Sputniks," No. 119, 18 May 1958, p. 3. *
- Lutskiy, V., "The Most Powerful Meteor Shower," 20 Dec 1958. *
- Topchiyev, A. V., "The First Scientific Results of the Flight of Soviet Sputniks," No. 73, 26 March 1958, p. 3. *

IZVESTIA AKADEMIIA NAUK SSSR, SERIA GEOFIZICHESKAYA

- Bagaryatskiy, B. A., "Certain Data on the Distribution of Energy in the Infrared Spectrum of Polar Lights," No. 4, 1957. *
- Bagaryatskiy, B. A., "Work of Soviet Scientists on Night Glow and Aurorae," No. 11, 1957. *
- Belousov, S. L., and Bikov, V. V., "On Calculating the Influence of Mountains in a Forecast of the Baric Field," No. 9, 1957. *
- Belousoff, et al., Abstracts of articles translated into German from Russian, No. 5, 1952. *
- Berland, M., and Berland, T., "Computation of the Effective Radiation of the Earth in Natural Conditions Due to the Influence of Cloudiness," No. 1, 1952. *
- Birkgan, A. Yu., and Lyubimov, A. N., "Precalculation of an AT-700 Map on the 'Strela' Electronic Digital Computer," No. 1, 1958. *

IZVESTIYA AKADEMIIA NAUK SSSR, SERIYA GEOFIZICHESKAYA (Cont'd)

Breydo, Ts. G., "Adsorption of Ions by Water Drops in a Stream of Air," No. 1, 1956.
(For sale by Associated Technical Services.)

Breydo, Ts. G., "Investigation on the Mechanism of Adsorption of Ions by Water Drops,"
No. 6, 1955.

Bugaev, V. A., "The Value of the Horizontal Derivatives of the Pressure and Temperature
Fields of the Atmosphere," No. 4, 1952. (Translation into German from Russian) *

Denisov, A. I., "On the Diffusion of Dust and Gases From Chimney Stacks," No. 6, 1957.

Divari, N. B., "Deep Twilight Near the Horizon," No. 1, 1952. (AD-111029) *

Drogalcev, D. A., "Zones of Compression and Refraction of Ice in the Atmospheric
Pressure Field," No. 11, 1956. *

Feygel'son, Ye. M., "Radiational Properties of Stratus Clouds," No. 4, 1951. *

Feygel'son, Ye. M., "The Absorption Properties of Water Vapor and CO₂ in the Atmosphere,"
No. 1, 1955. (AD-145404) *

Frenkel, J. I., "On the Origin of the Uniformity of the Atmosphere as to Its Compound
(Composition) With Different Heights," No. 1, 1952. *

Full Translation of Soviet Periodical Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya,
Nos. 1-4, 1957. (For sale by Pergamon Press.)

Gavrilov, V. A., "Some Problems of Immediate Concern in the Study of Visibility," No. 6,
1953. *

Grabovskii, M. A., "Criticism and Bibliography," No. 5, 1951. *

Gutman, L. N., "On the Calculation of Temperatures of the Air Near the Ground," No. 5,
1953. *

Imyanitov, L. M., et al., "Instrument for Long-Term Measurements of the Intensity of the
Atmospheric Electric Field Under Complex Meteorological Conditions," No. 7, 1956. *

Jaroslazew, J. N., "The Albedo of the Natural Cover of the Soil of Tashkent," No. 1,
1952. *

Kachurin, L. G., "The Formation of Precipitation in Clouds With Small Vertical Currents,"
No. 2, 1956. (For sale by Associated Technical Services.)

Kalashnikov, A. G., "Tenth Assembly of International Geodesic and Geophysical Union in
Rome, 14-25 Sept 1954," No. 6, 1954. *

Kalaschukow, et al., Abstracts of articles translated in German from Russian, No. 4,
1952. *

Kazanskii, A. B., and Monin, A. S., "The Form of Smoke Trail," No. 8, 1957.

Kazanskii, A. B., and Monin, A. S., "Turbulence in Surface Inversions," No. 1, 1956.
(AD-125683) *

IZVESTIYA AKADEMII NAUK SSSR, SERIYA GEOFIZICHESKAYA (Cont'd)

- Klorbatkin, G. P., "Determination by Hydrographic Methods of the Annual Course of Air Temperature at Sea Level," No. 2, 1957. * (For sale by Pergamon Press.)
- Kolesnikov, A. G., and Selyayev, V. I., "Calculation of the Process of Crystallization of Supercooled Water During Turbulent Mixing," No. 11, 1958. *
- Kononkova, G. Ye., and Kontoboytseva, N. V., "Temperature Fluctuations in the Surface Layer of the Sea Caused by Wave Motion," No. 12, 1957. *
- Krasnogorskaya, N. V., "A Photoelectric Method of Investigating the Particle Size Distribution of Precipitation," No. 6, 1955. *
- Krasnogorskaya, N. V., "The Results of Measuring Electric Charges on Precipitation Particles in the Free Atmosphere," No. 7, 1956. *
- Krylov, P. A., "Solar Aureoles Observed at High Altitudes," No. 2, 1952. (AD-63135) *
- Kulagin, D. I., "The Connection Between the Radiational and Electrical Characteristics of the Atmosphere in Tashkent," No. 2, 1952. (AD-78073) *
- Kurbatkin, G. P., "Determination of the Annual Course of the Temperature of the Air at Sea Level by the Methods of Hydrodynamics," No. 2, 1957. *
- Kurbatkin, G. P., "Influence of Large-Scale Orographic Barriers on Westerlies," No. 2, 1958. (AD-202646) *
- Kuznetsov, A. P., "Observation of the Vertical Distribution of Ozone in the Atmosphere," No. 9, 1957. *
- Levin, L. M., "On the Collection of Aerosols," No. 7, 1957. *
- Litvinov, I. V., "Continuous Recorder of Rain Intensity," No. 2, 1955. *
- Litvinov, I. V., "The Effect of Riming on a Spectrum of Rain," No. 2, 1956. (For sale by Associated Technical Services.)
- Litvinov, I. V., "The Spectrum of Rain," No. 1, 1956. (For sale by Associated Technical Services.)
- List of Contents and Abstracts, No. 3, May-June 1955; No. 4, Jul-Aug 1955; No. 5, Sept-Oct 1955; No. 6, Nov-Dec 1955; No. 1, Jan 1956. *
- Liubimova, Ye. A., "Effect of Radioactive Decay of the Thermal Regime of the Earth," No. 2, 1953. (AD-62057) *
- Liubimova, Ye. A., "Role of Thermal Conductivity in the Thermal Regime of the Earth," No. 6, 1953. (AD-62057) *
- Lopukhine, E. A., "Natural Daylight in Tashkent," No. 5, 1953. *
- Mikhnevich, V. V., and Khvostikov, I. V., "Study of the Upper Layers of the Atmosphere," No. 11, 1957. *

IZVESTIYA AKADEMIIA NAUK SSSR, SERIYA GEOFIZICHESKAYA (Cont'd)

- Milin, V. M., and Malakhov, S. G., "Air Conduction and Turbulent Mixing in the Atmosphere," No. 3, 1953. *
- Mironov, A. V., et al., "The Low Latitude Aurora of 21-22 Jan 1957," No. 12, 1958. *
- Mkhitarayan, A. M., "Consideration of Near-Ground Friction in the Problem of Pressure Distribution at Sea Level," No. 1, 1955. *
- Monin, A. S., "On the Macroturbulent Exchange of the Earth's Atmosphere," No. 4, 1956. *
- Monin, A. S., "Pressure Changes in a Barotropic Atmosphere," No. 4, 1952. (Translation into German from Russian.) *
- Muchnik, V. M., and Shmukler, A. Kh., "The Workman-Reynolds Theory of Thunderstorms," No. 1, 1956. *
- Obukhov, A. M., "The Problem of Evaluating the Success of Alternative Prognoses," No. 4, 1955. *
- Obukhov, A. M., "Soviet Work in the Field of Study of Atmospheric Turbulence," No. 11, 1957. (AD-211227) *
- Obukhov, A. M., "On the Accuracy of the Precomputation of Advective Changes of the Fields in Numerical Weather Forecasting," No. 9, 1957. *
- Perepelkina, A. V., "Certain Results of the Investigation of Turbulent Pulsations of Temperature and the Vertical Component of Wind Velocity," No. 6, 1957. *
- Pogosian, Kh. P., "Moisture Circulation Scheme in the Atmosphere," No. 5, 1952. (German only.) *
- Pogosian, Kh. P., and Burtsev, A. I., "Peculiarities of the Evolution of the Temperature, Humidity, and Air Pressure in Developing Cyclones," No. 2, 1957. (Partial translation) * (Also in complete translation of No. 2, for sale by Pergamon Press.)
- Pogosian, Kh. P., "On Some Characteristics of Atmospheric Jet Streams," No. 4, 1958. *
- Rauner, Iu. L., "Climatological Evaluation of the Results of Microclimatic Observations," No. 2, 1957, * (For sale by Pergamon Press.)
- Shishkin, N. S., "Examination of the Growth of the Spherical Hail," No. 6, 1952. *
- Shishkin, N. S., "Some Physical Laws Governing Phase Conversions of Hydrometeors," No. 1, 1953. *
- Shtokman, V. B., "Some Problems of the Dynamic of Sea Currents," No. 1, 1953. * (AD-62946)
- Shuleikin, V. V., "Soviet Physics of the Sea After 40 Years," No. 11, 1957. *
- Shvets, M. E., "Condensation of Water Vapor in the Atmosphere," No. 6, 1955. (For sale by Associated Technical Services.)

IZVESTIYA AKADEMIIA NAUK SSSR, SERIYA GEOFIZICHESKAYA (Cont'd)

- Smirnov, N. S., et al., "The Origin of Condensation Nuclei," No. 3, 1954. (For sale by Associated Technical Services.)
- Timofeeva, V. A., "Relationship Between the Light-Scattering Coefficient for a Ray and the Attenuation Factor for Terminally Diffused Light in Turbid Media," No. 2, 1957. *
- Timofeyev, M. P., "Discussion of the Theory of Advection Fogs," No. 6, Nov/Dec 1955. *
- Tschchaidse, Sch. M., "On the Question of the Transparency of the Atmosphere Which is Reduced to Unit Mass," No. 6, 1952. (German only) *
- Tverskaya, N. P., "Heat Transfer and Evaporation of a Drop in a Current," No. 3, 1953. *
- Vitels, L. A., Abstract of: "Calendar Peculiarities in Variations of Intensities of the Island and North European Cyclones," No. 4, 1954. *
- Vitels, L. A., "Peculiarities in the Annual Variations in Intensity of Icelandic and Northern European Cyclones," No. 4, 1952. (Translation into German from Russian.) *
- Vulfson, N. L., "Conditions of Formation of Cumulus Clouds in Mountainous Regions," No. 7, 1956. *
- Vulfson, N. L., "Method of Studying Convective Movement in Free Atmosphere," No. 5, 1956. *
- Yampolskiy, A. D., "On the Dependence of the Distribution Parameters of Wave Elements Upon Dispersion, Wind Velocity and the Duration of its Action," No. 2, 1955. *
- Yaroslavets, I. N., "Observations of Infrared Radiation During the Solar Eclipse of 30 June 1954, at Tashkent," No. 2, 1955. *
- Yudavich, F. F., "Conference on the Problem of Star Twinkling," No. 5, May 1956. *
- Zaletayev, V. S., "Problems and Activities of the Advisory Commission Under the Presidium, Academy of Sciences USSR, on the Preparation and Conduction of the IGY," No. 7, July 1957. *

IZVESTIYA AKADEMIIA NAUK SSSR, SERIYA GEOGRAFICHESKAYA I GEOFIZICHESKAYA

- Blinova, E. N., "On the Mean Annual Distribution of Temperature in the Earth's Atmosphere With Respect to Continents and Oceans," Vol. XI, No. 1, 1947. (AD-90303) *
- Cherniavskiy, E. A., "The Earth's Surface Charge," Vol. XII, No. 2, 1948. (AD-140057) *
- Divari, N. B., "Brightness of the Sky at the Beginning and End of the Night," Vol. 13, No. 3, 1949. *
- Dobrovolsky, A. D., "Isothermic Maps of the Northern Part of the Pacific Ocean," Vol. XI, Nos. 1/6, 1947.
- Fedorov, Ye. K., "A Word About Atmospheric Phenomena of Electrical Origin by Lomonosov, and the Present Concept of Atmospheric Electricity," Vol. XIV, No. 1, January 1950. *

IZVESTIYA AKADEMII NAUK SSSR, SERIYA GEOGRAFICHESKAYA I GEOFIZICHESKAYA
(Cont'd)

- Fedyayevskiy, K. K., "On the Origin of Wind Waves," Vol. 10, No. 3, 1946.
- Fesenkov, V. G., "Determination of the Effective Heights of the Luminescence of the Night Sky," Vol. XI, No. 1, 1947. (AD-111051) *
- Frenkel, Ya. I., "Photochemical Mechanism of Formation of Condensation Nuclei in the Terrestrial Atmosphere," Vol. 17, No. 2, 1953. (AD-36303) *
- Fuchs, N. A., "The Magnitude of Electric Charges Carried by Particles of Atmospheric Aerosols," Vol. XI, No. 4, 1947.
- Ginzburg, V. L., "Radiation of Microwaves and Their Absorption in Air," Vol. XI, No. 2, 1947. *
- Imiantsev, I. M., "Measuring the Horizontal Component of the Atmospheric Electric Field," Vol. 13, No. 3, 1949. (AD-78345) *
- Kessenikh, V. N., "Evolution of Views on the Structure of the Ionosphere," Vol. XI, No. 2, 1947. (ATI-153492) *
- Kibel, I. A., "Equation for the Mechanics of Baroclinic Fluids as Applied to Meteorology," Vol. 4, No. 1, 1940. (ATI-110469) *
- Khvostikov, I. A., "Optical Probing of Atmosphere by Searchlight," Vol. 10, No. 4, 1946. *
- Khvostikov, I. A., "Twilight Photoluminescence of the Earth's Atmosphere," Vol. 3, 1939. (AD-128371) *
- Kuchеров, M. I., "Observations of Sky Glow as a Method of Sounding the Lower Layers of the Atmosphere," Vol. XI, No. 4, 1947. *
- Kuznetsov, E. S., "A General Method for Deriving Approximate Equations for the Transfer of Radiant Energy," Vol. 15, No. 4, 1951.
- Kuznetsov, E. S., "Radiation Equilibrium of Gaseous Envelope, Surrounding an Absolute Black Sphere," Vol. 15, No. 3, 1951.
- Levin, L. M., "Temperature Dependence of the Refractive Index and the Combination Scattering of the Second Order," Vol. 4, No. 1, 1940.
- Mutschnik, W. M., "Influence on the Electrical Field on the Processes of Electrification in Thunderstorm Clouds," Vol. 16, No. 6, 1952. (German only.) *
- Obukhov, A. M., "On the Distribution of Energy in the Spectrum of a Turbulent Flow," Vol. 5, Nos. 4/5, 1941. (ATI-160884) *
- Obukhov, A. M., "Problem of the Geostrophic Wind," Vol. 13, No. 4, 1949.
- Omshanskii, M. A., "Evolution of Effective Synoptic Weather Forecasting," Vol. 7, No. 3, 1943. (ATI-27886) *
- Ponomarev, M. I., "The Effect of Refraction upon the Propagation of Radio Waves Around the Earth," Vol. 10, No. 9, 1946. *

IZVESTIYA AKADEMIIA NAUK SSSR, SERIYA GEOGRAFICHESKAYA I GEOFIZICHESKAYA
(Cont'd)

- Rakipova, L. P., "Possible Effect of Dust on Vertical Air Movements and on Isothermy in the Stratosphere," Vol. XI, No. 1, 1947. *
- Rodionov, S. F., "The Transparency of the Atmosphere in the Ultraviolet Region of the Spectrum," Vol. 14, No. 4, 1950. (AD-111030) *
- Rodionov, S. F., "Selective Transparency of Atmospheric Aerosols," Vol. 6, No. 4, 1942.
- Rubinstein, E. S., "Soviet Climatology for Thirty Years," Vol. XI, No. 5, 1947.
- Shakhov, A. A., "Physical Processes in a Snow Cover," Vol. 12, No. 3, 1948. *
- Shiskin, N. S., "The Problem of the Development of Droplets in Clouds and Fogs," Vol. 12, No. 3, 1948. (ATI-65757) *
- Shtokmann, V. B., "Determination of the Stationary Flow and of the Density Field in the Central Section of a Closed Ocean of Elongated Form," Vol. 16, No. 6, 1952.
- Shuleikin, V. V., "Thermobaric Sieches in the Atmosphere as a Factor in a Weather Sequence," Vol. 6, No. 1, 1942. (ATI-110476) *
- Tverskaya, N. P., "Influence of a Current of Air on the Rate of Evaporation of Water," Vol. 14, No. 2, 1950. (AD-106342) *
- Tverskoy, P. N., and Timofeyev, M. P., "Turbulence and the Vertical Profile of Electric Field Intensity in the Lower Layer of the Atmosphere," Vol. 12, No. 5, 1948. (ATI-137867) *
- Vvedensky, B. A., and Ponomarev, M. I., "Application of Methods of Geometrical Optics to the Determination of the Path of Ultra-Short Radio Waves in a Non-Homogeneous Atmosphere," Vol. 10, No. 6, 1946. *
- Vyalov, S. S., "Determination of the Thermal Field Around Underground Construction," Vol. 14, No. 6, 1950.
- Vyunov, B. F., "The Role of Meteor Streams in the Causation of Magnetic Storms and Polar Aurorae," Vol. IX, No. 4, 1945. (AD-64308) *
- Vershova, N. D., et al., "Measurements of the Brightness of the Green Line of the Night Sky," Vol. 3, 1939. (AD-128312) *

IZVESTIYA AKADEMIIA NAUK SSSR, SERIYA GEOGRAFICHESKAYA

- Avsyuk, G. A., "International Geophysical Year 1957-58 and Glaciological Investigations of the USSR in This Period," No. 6, Dec 1955.
- Bruevich, S. V., and Gudkov, M. P., "Atmospheric Dust Over the Caspian Sea," No. 4, 1954. *
- Budyko, M. I., "Climatic Conditions of Humidification on Continents," No. 4, Jul/Aug 1955.

IZVESTIYA AKADEMIIA NAUK SSSR, SERIYA GEOGRAFICHESKAYA (Cont'd)

- Budyko, M. I., et al., "The Heat Balance of the Earth's Surface," No. 3, May/June 1954. *
- Budyko, M. I., "Transformation of Solar Energy on the Surface of the Earth," No. 1, Jan/Feb 1954. *
- Dolgushin, L. D., "Geographic Observations in the Antarctic," No. 1, Jan/Feb 1950. *
- Gaftsov, A. P., "Climatic Interaction of the Irrigated and Non-Irrigated Areas," No. 3, 1953.
- Girs, A. A., "The Problem of Studying General Atmospheric Circulation," No. 4, Jul/Aug 1955.
- Grigoryev, A. A., et al., "Review of American Geography: Inventory and Prospect," No. 1, Jan/Feb 1956. *
- Kachurin, L. G., et al., "Temperature Limits for Formation of Ice Particles in Super-saturated Water Vapor," No. 7, 1956. *
- Litvinov, I. V., "Determination of the Steady-State Velocity of Falling Snow Particles," No. 7, 1956. *
- Psenichkii, A. L., "On the Statistical Relationship Between Circulation Types of the Northern Hemisphere," No. 1, 1956. (AD-153689) *
- Rikhter, G. D., "A Coordination Conference on the Problem of Studying Snow and Utilizing It in the National Economy," No. 3, May/June 1955. *
- Shuleikin, V. V., "Dynamics of Wind Waves and Swell," No. 5, Sept/Oct 1954. *
- Smal'ko, Ya. A., "Zones of the Wind-Protecting Influence of Forest Belts of Various Formations," No. 5, Sept/Oct 1955. *
- Traitskaya, V. A., "Chronical of the International Geophysical Year," No. 4, Jul/Aug 1955.
- USSR, "New Soviet Research Explorations and Discoveries in the Central Arctic," No. 5, 1954. (AD-58058) *
- Zinina, A. F., and Fel'dman, Ya. I., "Microclimatical Conditions of the Areas of Tea Cultivation in the Kuban' Area During the Summer," No. 5, Sept/Oct 1955. *

IZVESTIYA ASTROFIZICHESKOGO INSTITUTA AKADEMIIA NAUK KAZAKHSKOY SSSR, (Alma-Ata)

- [Anon]: "Decision of the Visiting Session of the Astronomics Council of the Academy of Sciences USSR and the Astrophysics Institute of the Academy of Sciences Kazakh SSR, held in Alma-Ata, 19-23 April 1955, Vol. III, No. 4, 1956. *
- [Anon]: "Protocol of the Visiting Session of the Astronomics Council of the Academy of Sciences USSR and the Astrophysics Institute of the Academy of Sciences Kazakh SSR," Vol. III, No. 4, 1956. *

IZVESTIYA ASTROFIZICHESKOGO INSTITUTA AKADEMII NAUK KAZAKHSTANSKOY SSSR.
(Alma-Ata) (Cont'd)

Divari, N. B., "Relation of the Luminosity of the Night Sky to the Azimuth," Vol. 1, Nos. 1/2, 1955. (AD-111032) *

Divari, N. B., "Effect of Extinction of Fluorescence on the Luminosity of the Night Sky," Vol. 1, Nos. 1/2, 1955. (AD-111032) *

Divari, N. B., "A New Method of Separating the Components of the Night Sky Luminescence," Vol. 1, Nos. 1/2, 1955. (AD-111032) *

Karimov, M. G., "Session on the Problem of the Solar Corona Station," Visit by Session Participants to the Solar Corona Station Base in the Area of Bol'skoy Alma-Ata Lake, Vol. III, No. 4, 1956. *

IZVESTIYA NA BULGARSKAYA AKADEMIYA NA NAUKITE, SERIYA FIZICHESKAYA

Krastanov, L., "A Case of the Growth of Cloud Droplets by Coalescence," No. 1, 1950. *

IZVESTIYA AKADEMII NAUK SSSR, SERIYA FIZICHESKAYA

Fesenkov, V. G., "The Gaseous Tail of the Earth," Vol. 14, No. 3, 1950. (AD-160939) *

Rodionov, S. F., "Emission and Absorption of Light in Certain Layers of the Atmosphere," Vol. 14, No. 3, 1950.

IZVESTIYA AKADEMII NAUK, OTDELENIE MATEMATICHESKIKH I ESTESTVENNYKH NAUK

Ignatowsky, W. V., "Propagation of Disturbances in Non-Homogeneous Isotropic Media," No. 7, 1932.

Ignatowsky, W. V., "Wave Propagation and Reflection in Non-Homogeneous Isotropic Media," No. 5, 1932. (AD-78590) *

IZVESTIYA GLAVNOY GEOFIZICHESKAYA OBSERVATORIA

Loris-Melikov, M. A., "Evaluation of Short-Term Forecast," Vol. 1, 1927. (ATI-120870) *

IZVESTIYA KRIMSKAYA ASTROFIZICHESKAYA OBSERVATORIA (Leningrad)

Krasovskiy, V. I., "New Radiations of the Night Sky in the Region 8,000 to 11,000 Å," Vol. V, 1950. (AD-120705) *

Severnyi, A. B., and Mustel', E. R., "Investigation of the Chromospheric Flare of 13 June 1950," Vol. 13, 1955. (AD-161718) *

Shklovskiy, I. S., "Nature of the Infrared Radiation of the Night Sky," Vol. VII, 1951. (AD-124082) *

IZVESTIYA KRIMSKAYA ASTROFIZICHESKAYA OBSERVATORIYA (Leningrad) (Cont'd)

Shklovskiy, I. E., "The Nature of the Luminescence of the Aurora," Vol. 8, 1952.
(AD-128863) *

IZVESTIYA AKADEMII NAUK UzSSR (TASHKENT) SERIYA FIZIKO-MATEMATICHESKIKH NAUK

Suslov, V. F., "Conquest of the Fedchenko Glacier," No. 8, 1958. *

IZVESTIYA AKADEMII NAUK SSSR, OTDELENIYE TEKHNIЧЕСКИХ НАУК

Saltykov, N. I., "Calculating Frost-Heaving Forces on Foundations," No. 6, 1944. *

Sharonov, V. V., "The Solar Illumination Constant and Its Most Probable Value," Vol. 13, No. 9, 1949. *

IZVESTIYA VSESOYUZNOGO GEOGRAFIЧЕСКОГО OBSHCHESTVA

[Anon]: "Weather, Soil, and Vegetation in the Caspian Sea, Kazakhstan, and Tyan'-Shan' Mountain Regions," Vol. 81, No. 1, 1949. *

Borisov, A. A., "The Climate of Southern Finland," Vol. 79, No. 2, 1947. (AD-1115) *

Dulov, Vs., "The Valuable Historic and Geographic Data About Tuva," Vol. 76, 1944.
(AD-2180) *

Govorukhin, V. S., "Landscape Dynamics and Climatological Variations of Polar Regions," Vol. 79, No. 3, 1947. (AD-2183) *

Karelin, D. B., "New Flight to the North Pole," Vol. 78, No. 1, 1946.

Karelin, D. B., "A Study of the Limits of Old Ice in the Polar Basin," Vol. 79, No. 4, 1947.

Karelin, D. B., "Air Expedition to High Latitudes of the Arctic in 1941," Vol. 77, No. 3, 1945.

Karelin, D. B., "The Study of the Secular Ice Boundaries in the Arctic Region," Vol. 79, No. 4, 1947. (AD-2184) *

Mineyev, V. A., "Geographic - Topography, Soils, Climate. Economic - Agriculture, Industry, Production," Vol. 82, No. 4, 1951. *

Nazarov, V. A., "Historical Pattern of Kara Sea Iciness," Vol. 79, No. 6, 1947. (AD-109033) *

Polozoya, L. G., "Characteristics of the Continental Nature of Climate," Vol. 83, No. 5, 1954. *

Shurnskii, P. A., "Materials on the Geography of the Notgemeinschaft Glacier," Vol. 77, No. 3, 1945.

Tauber, G. M., "Soviet Antarctic Expedition 1947-1948," Vol. 81, No. 4, 1949. *

JAHRBUCH DER DEUTSCHEN AKADEMIE DER LUFTFAHRTFORSCHUNG (München)

Georgli, W., "Stratosphere Research," 1940/41, 1941/42. (ATI-26516/ATI-24531) *

JAHRBUCH FÜR DIE GEWASSERKUNDE NORDEUTSCHLANDS, BESONDERE MITTEL-LUNGEN

Fischer, Karl, "Precipitation Runoff and Evaporation in the Weser Source Area," Vol. 4, No. 3, 1925. (ATI-110159) *

JOURNAL OF CHINESE METEOROLOGY (See: CFI-HSIANG HSUEH PAO)JOURNAL OF PHYSICAL CHEMISTRY, USSR (See: ZHURNAL FIZICHESKOI KHIMII)JOURNAL OF GEOPHYSICS AND METEOROLOGY (See: ZHURNAL GEOFIZIK I METEOROLOGIA)JOURNAL OF GEOPHYSICS (Moscow) (See: ZHURNAL GEOFIZIK)JOURNAL OF GEOGRAPHY OF JAPAN

Ichikawa, Yuichi, "Topography and Geology of Taiwan (Formosa)," Vol. 42, No. 499, Sept. 1930. (ATI-113166) *

Kiyohiko, Ishii, "Hai-nan Island," Vol. 51, circa 1944. (ATI-120881) *

Watanabe, Akira, "Topographic Investigation of Hokkaido (Hokkaido) Coastal Area - Contraposed Shoreline of Kitani Coast," Vol. 51, circa 1944. (ATI-120880) *

Yamada, H., "Agriculture in Taiwan," Vol. 42, No. 499, Sept. 1930. (ATI-113160) *

JOURNAL DE PHYSIQUE ET LE RADIUM

Bernard, Rene, "The Forbidden Line of Atomic Nitrogen = 3,470 Å in the Auroral and the Night Sky Spectra," Ser. 7, Vol. 9, No. 11, 1938.

JOURNAL OF METEOROLOGICAL SOCIETY OF JAPAN

Arakawa, H., "The Air Masses of Japan," Ser. 2, Vol. 15, No. 5, May 1937. *

Arakawa, H., "Characteristics of the Air Masses in and Around Japan," Ser. 2, Vol. 14, No. 7, 1936. (ATI-116199) *

Arakawa, H., "Characteristics of the Air Masses of Japan," Ser. 2, Vol. 13, No. 9, 1935. (ATI-116198) *

Futi, H., et al., "On the Structure of the Extratropical Cyclone in the Far East," Ser. 2, Vol. 17, No. 9, 1939. (ATI-116200) *

JOURNAL OF METEOROLOGICAL SOCIETY OF JAPAN (Cont'd)

- Hashimoto, M., and Sempel, J., "On the Analysis of the Typhoon Kitty," Ser. 2, Vol. 29, No. 8, 1951. (ATI-146278) *
- Han'ei, K., "Southerly Wind at Naze as an Indication of Coming Rain in Japan," Ser. 2, Vol. 3, No. 4, 1925. (ATI-116193) *
- Hirono, Takuzo. "Tidal Waves in Tokyo Bay Caused by Typhoons," Vol. 14, No. 7, 1936. *
- Kamiko, T., "Distribution of Vertical Instability in the Neighborhood of Tropical Cyclones," Ser. 2, Vol. 29, No. 6, 1951. (ATI-146320) *
- Ooma, S., "On the Development of Cyclones in the Neighborhood of Japan," Ser. 2; Vol. 17, No. 9, 1939. (ATI-116201) *
- Ooma, S., and Utagi, M., "Studies Concerning Development of the Moderate Latitude Cyclone in and Around Japan," Ser. 2, Vol. 18, No. 8, 1940. (ATI-116203) *
- Ohts, S., (Oji), "The Freezing of the Liao-Ho and Yalu Rivers," Ser. 2, Vol. 3, 1925. (ATI-120878) *
- Otani, T., "The Trough of Atmosphere Pressure Formed on the Pacific Coast of Japan Proper by NW-Wind," Ser. 2, Vol. 13, No. 9, 1935. (ATI-116197) *
- Takeda, K., "On the Atmospheric Turbulence," 2nd paper: "On the Generalized Exponential Formula," Ser. 2, Vol. 29, No. 7, 1951. (ATI-146277) *
- Terada, K., "High Water Due to the Tidal Waves Propagated in Osaka Bay," Ser. 2, Vol. 13, No. 9, 1935. (ATI-116198) *
- Utsumi, Tokutaro, Reports: "Meteorological Data for the Miyake Islands," Ser. 2, Vol. 4, 1926. (ATI-113107) *
- Yamaguchi, S., "On the Effect of the Radius and Concentration of a Drop of Solution of the Surface Tension and Saturated Vapor Pressure," Ser. 2, Vol. 29, No. 11, 1951. (ATI-146276) *
- Yamanaka, T., and Ikeda, C., "On the Three Principal Air Masses in Japan and its Neighborhood," Ser. 2, Vol. 17, No. 11, 1939. (ATI-116202) *

JOURNAL SCIENTIFIQUE DE LA MÉTÉOROLOGIE

- Eyraud, R., "The Influence of Vertical Currents Upon Aircraft," No. 1, 1949. (AD-118437) *

JOURNAL OF SOCIETY OF INSTRUMENTATION OF TECHNOLOGY OF JAPAN

- Kazahaya, M., "The Accuracy of the Electronic Dewpoint Hydrometer," Vol. 1, No. 4, 1957.

KAGAKU (Japan)

[Anon]: Extract: "Natural Radioactivity of the Atmosphere," Vol. 27, No. 6, June 1957. *

KAGAKU GAHO (Japan)

Kanemitsu, Fujio, "Rockets and Satellites," Vol. 6, No. 10, July 1958. *

KAZAKHSTANSKAYA PRAVDA (Alma Ata)

Porfir'yev, I., and Nikitin, V., "Meteorologists of Kazakhstan - Participants in the IGY," No. 236, 10 Oct 1958. *

KHIDROLOGIYA I METEOROLOGIYA (Sofia)

Drogaytsev, D. A., "Long-Range Forecasting of Precipitation in Bulgaria," No. 5, Oct 1957. *

Krastanov, L., "The Tasks of the Hydrometeorological Service in the Light of the Decisions of the Sixth Congress of the BKP (Bulgaria)," No. 3, 1954. *

Pavel Hrubec, "About the Climate of Czechoslovakia," No. 6, 1957. *

KLIMAT I POGODA

Blumina, L., "Forecast of Pressure Field," 1941, No. 9. *

Epifanskii, G., "Computation of the Wind Aloft in Advance," 1941, No. 7. (ATI-120871) *

Kibel, I., "Hydromechanics and the Forecast of Weather," 1941, No. 6. (ATI-110456) *

Pagava, S., "F. Baur's Methodics of Long Range Weather Forecast," 1941, No. 8. (ATI-113175) *

Pagava, S. T., "The Development of Synoptic Climatology," 1936, No. 2. (ATI-113168) *

Vangengeim, G., "Seasonal Hydrometeorological Forecast," 1941, No. 6. (ATI-110439) *

KOKU KISHO HOKOKU (Japan)

Ishimaru, Yukichi, et al., "Report on Weather Conditions in Central Japan," Sept. 1935. *

KOKU KOSHŌ KYŌIKU NO SANKŌ

[Anon]: "Glossary of Japanese Terms Pertaining to Aeronautical Meteorology," 27 October 1944. (ATI-110383) *

April 1959

AWS Bibl 15

KOLLOIDNYI ZHURNAL

Artemov, I. A., "Condensation of Aerosols in the Presence of Foreign Gaseous Substances," Vol. XI, No. 3, 1949.

Merzhanov, K. M., et al., "Effect of Air Ionization of the Disperse Phase of Aerosols," Vol. 18, No. 5, Sept/Oct 1956.

KRASNYI FLOT

Vorontsov, B., "Progress of the Soviet Astronomy," 16 October 1949. *

KRASNAYA ZVEZDA

Zheludev, A., "Smoke as a Protection Against Light Radiation - The Protection of Troops Against the Atomic Weapon," 13 December 1957. *

KRIDLA VLASTI

Langer, Jiri, "Foehn Cloud Formations Over Czechoslovakia," 26 June 1956. *

Mekalenko, P., and Palyeski, T., "Soviet Flights in the Antarctic," No. 6, March 1958. *

KRYL'YA RODINY

[Anon]: "Over the Vast Spaces of Central Arctic," No. 9, 1954. *

Shtal, B., Summary: "How to Understand Cloud Formations," No. 10, 1954. *

Yurkevich, M., and Stepanenko, V., Summary: "Icing and Its Prevention," No. 1, 1956. *

(KUNGL.) FYSIOGRAFISKA SALLSKAPETS HANDLINGAR

Frossling, Nils, "Evaporation, Heat Transfer, and Velocity Distribution in Two-Dimensional and Rotationally Symmetrical Laminar Boundary - Layer Flow," Vol. 51, No. 4, 1950. (AD-154482) *

(KUNGL.) KRIGSVETENSKAPENS AKADEMIENS HANDLINGAR OCH TIDSCHRIFT

[Anon]: "The Soviet Union's Arctic Territories," Vol. 156, No. 9, 1952. (AD-3884) *

LA MÉTÉOROLOGIE

LeGall, Andre, "Influence of Relief Upon Rainfall," Jul/Aug 1934. (ATI-137081) *

Mironovitch, V., and Viaut, A., "Study of Unstable Maritime Air," Jul/Aug 1938. (ATI-113108) *

Perlat, A., "Automatic Meteorological Stations," Jul/Sept 1948. *

LA MÉTÉOROLOGIE (Cont'd)

Vialar, J., "An Analysis of the Divergence Field," Apr/Jun 1951. (AD-35975) *

LA REVUE MARITIME

Balligand, P., "Submarines Under the Pack Ice," Ser. 110, June 1955. (AD-78746) *

L'AEROTECHNICA

Jarre, G., "Evaporative Cooling at High Speeds," Vol. 36, 1956. (AD-143507) *

L'ESSOR DU CONGO

[Anon]: "Meteorology and Mapping in the Belgian Congo," July 1951.

LESNOE KHOZIASTVO

Melchanov, A. A., "Freezing and Thawing of Soil," Vol. 3, No. 1, 1950. *

LOW TEMPERATURE SCIENCE (See: TEION-KAGAKU)LUFTFAHRTFORSCHUNG

Eisel, Karl, "Registering Balloons Made Out of Transparent Foils," Vol. 13, 4th Issue. (AD-141040) *

LUFTWISSEN

Löhmer, H., "Condensation Trails," Vol. 7, 1940. (ATI-61994) *

Noth, H., and Polte, W., "The Formation of Ice on Airplanes," Vol. 2, No. 11, 1935. (ATI-110438) *

MEDDELANDE (Stockholm) (See: FORENINGEN SKOGSARBETENS OCH KÖNGL. DOMANSTYRELSENS ARBETSSTUDIEAVDELNING, MEDDELANDE)MEDEDEELINGEN EN VERHANDELINGEN (De Bilt)

Bruinenberg, A., "A Numerical Method for the Calculation of Temperature Changes Produced by Radiation in the Free Atmosphere," Ser. B, No. 1, Part I, 1946.

Van Everdingen, E., "The Results of Weather Forecast by the Dutch Royal Meteorological Institute in 1904, 1905, and During the Summer of 1907," Ser. A., No. 6, 1908. (ATI-120875) *

April 1959

AWS Bibl 15

MEDEDEELINGEN EN VERHANDELINGEN (De Bilt) (Cont'd)

Van Everdingen, E., "Method of Judging Weather Forecasts Issued by the Dutch Royal Meteorological Institute, and the Results Obtained for the Summer of 1911," Ser. A., No. 14, 1912. (ATI-120876) *

MEMENTO DU SERVICE METEOROLOGIQUE DE L'AFRIQUE OCCIDENTALE FRANCAISE (Dakar)

Weisse, L., "Weather Types in French West Africa," No. 6-A, 1941. (ATI-27895) *

MEMORIAL DE L'OFFICE NATIONALE METEOROLOGIQUE DE FRANCE

Combiér, H. Ch., and Petitjean, L., "Sand-Bearing Winds and Mud Rains," No. 27, 1939. (ATI-27858) *

Grappe, Roger, "The Technique of Long-Term Forecast Through Pressure Singularities," No. 3, 1953. (STI-ATI-204450) *

Grappe, Roger, "A Method of Forecasting a Mean Period by Pressure Singularities Utilized Synoptically," No. 1, 1953. (STI-ATI-202087) *

Jury, A., and Dedebant, G., "Types of Weather in Morocco," No. 13, 1925. (ATI-113126) *

MEMORIAS SERVICO METEOROLOGICO NACIONAL DE PORTUGAL

[Anon]: "The Organization and Work of the Portuguese National Meteorological Service," No. 5, 1950. (STI-ATI-205008) *

MEMOIRES DE LA SOCIETE ROYALE DES SCIENCES (Liege)

Nicolet, M., "Theoretical Altitudes of the Layers of Night-Sky Emission," Vol. XII, Nos. 1/2, 1952. (AD-39063) *

MEMOIRES L'INSTITUTE ROYAL METEOROLOGIQUE DE BELGIQUE

Königsfeld, L., and Piraux, Ph., "A New Portable Electrometer for the Measurement of Electrostatic Charges by an Electronic System. Its Application to the Measurement of the Atmospheric Potential and to the Radiosonde," Vol. XLV, 1951.

MEMORIAS, SERVICO METEOROLOGICO NACIONAL (See: PUBLICACIONES)

METEORITIKA (Moscow)

Astapovich, L. S., "A Few Physical Phenomena Accompanying the Passage of Meteorites Through the Earth's Atmosphere," No. 7, 1950. (AD-120697) *

Fedinzky, V. V., "Meteor Trails and Noctilucent Clouds in the Upper Atmosphere," No. 7, 1950. (AD-120697) *

METEORITIKA (Moscow) (Cont'd)

Levin, B. Yz., "A Few Questions of the Motion of Meteors in the Earth's Atmosphere," No. 7, 1950. (AD-120397) *

Stanyukovich, K. P., "Elements of the Physical Theory of Meteors and Crater-Forming Meteorites," No. 7, 1950. (AD-120397) *

METEOROS (Buenos Aires)

Damaris, E. A., and Pascal, A. J., "Heating of the Air in Spring-Frost Control for the Protection of the Orchards in the Rio Negro Valley," Vol. 5, No. 3, Jul/Sept 1955.

Dédebant, G., "Statistical Weather Forecast," Vol. 1, No. 4, Dec 1951.

Schwerdtfeger, W., "Bases for Statistical Forecasts of the Fall Temperature Conditions at Buenos Aires," Vol. 1, No. 1, 1951. (AD-104476) *

METEOROLOGICAL BUREAU REPORTS (Japan)

[Anon]: "A Study of Sub-Tropical (Tropical) Lows," Vol. 51, 1944. (ATI-113199) *

METEOROLOGY AND GEOPHYSICS (Japan)

Arakawa, Hidetoshi, "Meteorological Studies in Relation to Japanese Balloon Bombs," Vol. VI, Nos. 3/4, 10 Jan 1956. *

METEOROLOGIA I IDROLOGIA

Agureyev, S. P., "Determination of Changes in the Thickness of Ice From Its Surface," Jan 1956, No. 1.

Alekin, O. A., "Hydrochemical Research on the Rivers of the USSR," 1946, No. 4. *

Aleksandrov, L. N., Book Review: "Hydrometric Constructions," Jul/Aug 1955, No. 4. *

Alekseyev, P. O., et al., "Rocket Investigation of the Atmosphere," 1957, No. 8.

Alisov, B. P., et al., Extract from "Course in Climatology, Part III, Climates of the Globe," 1955, No. 5. *

Alpat'yev, A. M., "Indicator of Drought," Jul/Aug 1955, No. 4. *

[Anon]: "Six Tornadoes in the Central Areas of the European Part of the Union, and Their Synoptic Conditions," 1939, Vol. V, No. 5. (For sale by John Crerar Library.)

[Anon]: "Providing Agriculture with Hydrometeorological Service on a Level with the New Tasks," 1955, No. 2. *

[Anon]: "Bounded Crystallization of Water Vapors of the Atmosphere," 1957, No. 7. "

METEOROLOGIA I HIDROLOGIA (Cont'd)

[Anon]: "Competition on the Development of New Meteorological Instruments," 1956, No. 7. *

[Anon]: "Literature on Meteorology and Hydrology During 1955," 1956, No. 7. *

[Anon]: "Literature on Meteorology and Hydrology Since 1953," 1957, No. 8. *

[Anon]: "Works of the Scientific-Research Establishments of the Hydrometeorological Service During 1956," 1957, No. 9. *

Anosova, L. S., "Variation in the Times of Spring Break-Up of Ice and Freezing of the West Dvina River in Connection With the Warming Up of the Climate," Nov/Dec 1955, No. 6. *

Arabadzhi, V. I., "Electrification of Particles in Clouds," Nov/Dec 1955, No. 6. *

Arabadzhi, V. I., "On Anomalies of Zone of Audibility," 1946, No. 5. (ATI-110154) *

Arabadzhi, V. I., "Kinetics of the Collision of Drops," 1956, No. 4. *

Artimov, V. S., et al., "Certain Results of the Application of the Principles of K. I. Kashin and M. V. Gritsenko in Forecasting the Emergence of Caspian Cyclones," Nov/Dec 1955, No. 6. *

Askani, A. I., "On the Question of the Methodics of Long Range Weather Forecast — An Essay on the Analysis of B. P. Multanovskii's System," 1936, Nos. 10/11. (ATI-153618/ATI-153619) *

Askani, A. I., "On the Problem of Long Range Weather Forecasting," 1938, No. 1. (ATI-110440) *

Averkiyev, M. S., "Simple Method of Approximate Calculation of the Daily Total of the Sun's Radiation of a Horizontal Surface During a Cloudless Sky," 1957, No. 2. *

Babushin, L. N., "Professor A. A. Skvotsov," 1953, No. 2. *

Bagrov, N. A., "Long-Range Forecasting of Weather Abroad," 1957, No. 5.

Baranov, N. P., "Need for Revision of 'Instructions for Forecasting'," Nov/Dec 1955, No. 6. *

Baranov, A. M., "The Vertical Extent of High-Level Clouds Over European USSR," 1958, No. 6. *

Belinskii, N. A., "Forty Years of Marine Meteorological Forecasts," 1957, No. 11. *

Belousov, S. L., "International Conference on Numerical Methods of Prognosis," 1957, No. 3. (AD-211964) *

Belousov, S. L., "On the Preliminary Calculations of Pressure at Different Levels of the Atmosphere," 1957, No. 9. *

Belyakov, M. V., "Weather Service in the USA," 1930, No. 2. *

Berlyand, T. G., "Zonal Distribution of the Flow of Total Solar Radiation Passing Toward the Earth's Surface," 1956, No. 9. *

METEOROLOGHA I GIDROLOGHA (Cont'd)

- Berakhtskiy, Yu. I., "Modernization of the Ceiling Projector PI-45-1," 1957, No. 10. *
- Blinov, L. K., "On the Problem of the Origin of the Saline Content of Sea Water," 1946, No. 4. (ATI-110164) *
- Bebrev, V. Ya., and Seleshenko, V. A., "Meteorological Servicing of Agriculture in the Stavropol Kray," Nov/Dec 1955, No. 6. *
- Bogatyr', T. K., "On the Experience of the Operation of Agrometeorological Stations in Kalkhezes, Sovkhezes and MTS of the Ukrainian SSSR," 1956, No. 7. *
- Bogolubov, S. N., "Mean Duration of Spring Floods for Rivers of the Plains of European Part of USSR," 1946, No. 5. (ATI-120872) *
- Bolashakov, V. S., "Maximum Wind Acceleration During Squalls," 1950, No. 2.
- Belotinskaya, M. Sh., "Using Twenty-Percent Amplitude as a Criterion for Evaluating the Reliability of Long-Range Weather Forecasts," 1955, No. 1. *
- Berisenkov, Ye. P., "Diagnosis and Prognosis of the Location and Intensity of Jet Streams," 1957, No. 8. *
- Borisova, Ye. Ye., "Second Spartakiad of Students of Hydrometeorological Technicums," Jul/Aug 1955, No. 4. *
- Broydo, A. G., "Some Results From the Investigation of the Integral Coefficient of Turbulent Mixing," 1957, No. 9. *
- Budyko, M. I., and Liapin, E. S., "Conditions for the Formation of Thermal Convection in the Lower Layers of the Atmosphere," 1946, No. 5. (ATI-110101) *
- Budyko, M. I., "Determination of Evaporation from Dry Land Surface," 1955, No. 1. *
- Budyko, M. I., "Turbulent Exchange in the Lower Strata of the Atmosphere," 1946, No. 2. (ATI-120884) *
- Budyko, M. I., "Meteorological Research in the USSR," 1957, No. 11. *
- Budyko, M. I., et al., "Determination of the Integral Coefficient of Eddy Diffusion," 1956, No. 12. (AD-153690) *
- Bugaev, V. A., and Dezhordzhio, W. A., "Classification of Central Asiatic Air Masses," 1936, No. 6. (ATI-27931) *
- Bugaev, V. A., and Georgio, V. A., "The Classification of the Air Masses of the USSR," 1940, No. 12. (ATI-113120) *
- Bugaev, V. A., "The Relationship Between the Cyclonic Trajectories and the Position of the Arctic Front in Winter," 1936, No. 8. (ATI-113118) *
- Bugaev, V. A., and Dezhordzhio, W. A., "The Use of Aerological Data in Weather Analysis and Forecasting," 1938, No. 9.
- Bulavko, A. G., "Motion Picture: Weather Scouts," Jul/Aug 1955, No. 4. *

METEOROLOGIIA I GIDROLOGIIA (Cont'd)

- Bulavko, A. G., "Development of Meteorology in People's Republic of Poland," April 1956, No. 4. *
- Bulinskaya, N. A., "Procedure for Drawing up Long-Term Weather Forecasts," 1949, No. 3.
- Burtsev, A. I., "Evolution of Precipitation in Connection With a Change in Moisture Content of the Air and in the Vertical Velocities in the System of a Cyclone," Jan 1956, No. 1. *
- Byalynitskaya, V. G., and Ped', D. A., "Forecasting of Cloudiness for a Natural Synoptic Period," May/Jun 1953, No. 3. *
- Bykov, V. V., and Mashkovich, S. A., "Characteristics of Zonal Circulation of the Atmosphere," Feb 1956, No. 2. *
- Bykov, V. V., "Problem of the Influence of Mountains on the Variation of Pressure in the Mid-Troposphere," Jul/Aug 1955, No. 4. *
- Bykov, V. V., "On the Equation of Numerical Prediction in Relation to the Non-Divergence Concept," 1956, No. 11. *
- Byzov, N. P., "Some Remarks on the Question of Using Baric Topographical Maps in Synoptic Practice," 1939, No. 3. (ATI-27900) *
- Byzov, N. P., "Some Data on the Use of Charts of Baric Topography in Forecasting," 1946, No. 3.
- Chirkov, Yu. I., "Application at Agrometeorological Stations of the Method of Determining Viability of Winter Crops According to the Degree of Growth," Sep/Oct 1955, No. 5. *
- Chirkov, Yu. I., "Lenino-Dachnoye Agricultural Meteorological Station," Nov/Dec 1955, No. 6. *
- Dadyko, V. A., "Experience of the Belogorka Agricultural Meteorological Station (Leningrad Administration of the State Meteorological Service) in Servicing Agricultural Organization," Jan/Feb 1955, No. 1. *
- Diubuk, A., "Application of Synoptic Methods to the Study and Characterization of Climate," 1936, No. 2. (ATI-113114) *
- Divari, N. B., "The Aurora of September 22, 1946, and Its Effect on the Night Sky Luminescence," 1947, No. 6. (AD-204644) *
- Dmitrieva, N. G., "Calculation of Snow-Cover Density Using Meteorological Data," 1950, No. 2. *
- Dobrovolskiy, A. D., "Jubilee Session in Honor of N. N. Zubov," Sept/Oct 1955, No. 5. *
- Drogaytsev, D. A., "Calculation of the Vorticity of the Tangential Friction of the Wind Over the Sea," Sept/Oct 1955, No. 5. *
- Drogaytsov, D. A., "Construction of the Field of the Geostrophic Wind Over the Sea," Feb 1956, No. 2. *

METEOROLOGIA I GIDROLOGIA (Cont'd)

- Duginov, V. L., "Meteorological Elements During the Period of the Solar Eclipse, 30 June 1954, in Kaznennaya Step," 1958, No. 7. *
- Dunskiy, V. F., "The Influence of the Meteorological Factor and the Plant Cover on the Distribution of Aerosols in the Surface Layer of Air," April 1958, No. 4. *
- Dzerdkeyviskil, B. L., "On the Distribution of Atmospheric Pressure Over the Central Arctic," 1946, No. 1. (AD-80202) *
- Dzhordzhio, V. A., "A Collection: The Atmosphere of the Earth," Feb 1958, No. 2. *
- Fedoseyev, A. P., "New Instructions for Agricultural Meteorological Observations of Pastures and Hay Fields," Jan/Feb 1955, No. 1. *
- Gaigerov, S. S., "Six Tornadoes in the Central Areas of the European Part of the Union, and Their Synoptic Conditions," 1939, No. 5. (ATI-110157) *
- Galchjenko, M. S., et al., "Radiosonde With Improved Ventilation," 1956, No. 12. (AD-153731) *
- Gandin, L. S., and Sinel'nikova, K. K., "Forecasting the Velocity of Movement of Baric Centers," May/Jun 1955, No. 3. *
- Gandin, L. S., et al., "At the Main Geophysical Observatory imeni A. I. Voyeykov," 1957, No. 8. *
- Gavrilenko, N. M., "On the Coordination of Scientific Research Work," 1957, No. 5. *
- Gavrilov, V. A., "Diaphanoscope Method of Determining Meteorological Distance of Visibility at Hydrometeorological Stations," 1956, No. 9. *
- Gaygerov, S. S., "Results from Aerological Observations on Drift Station, North Pole No. 4, in 1955-56," 1957, No. 10. *
- Gersht, Ye. F., "Concerning the Use of Radicactive Isotopes in Meteorology and Hydrology," 1957, No. 8. *
- Girs, A. A., "Long Term Changes of the Atmospheric Circulation and Variations of Solar Activity," 1956, No. 10. (AD-153708) *
- Gogishvili, K. S., "On Certain Peculiarities of Atmospheric Processes Preventing Penetration of Cold Air to Southern Caucasus," 1957, No. 3. *
- Golman, S., "The Synoptic Conditions Associated With the Breakthrough of Southern Cyclones Into the Territory of Kazakhstan and Western Siberia in the Summer Half-Year," 1939, No. 1. (ATI-113123) *
- Golyshev, G. L., "Successes of Soviet Aerology," 1957, No. 11. *
- Grishin, N. I., "Study of Movement of Silvery Clouds by Method of Motion Picture Photography," 1957, No. 3. *
- Grishin, N., "Structure of Noctilucant Clouds," Jan/Feb 1955, No. 1.

METEOROLOGIA I GIDROLOGIA (Cont'd)

- Gurbanidze, Sh. A., "New Instruments Without Account of the Progress of Technology," Jul/Aug 1955, No. 4. *
- Guterman, I. G., "About the Adiabatic Variations of the Temperature of Gas Inside a Rising Sphere," April 1956, No. 4. *
- Havrilov, V. A., "On the Diaphanometric Measurement of Meteorological Visibility," 1956, No. 9. * (AD-153688)
- Imyanitov, I. M., and Chuvayev, A. P., "Principle Mechanism Governing the Electrification of Storm Clouds," Jul/Aug 1955, No. 4. *
- Imyanitov, I. M., and Chuvayev, A. P., "Problem of the Transition of Thick Cumulus Into Storm Clouds," Feb 1956, No. 2. *
- Ippolitov, A. N., "On the Determination of the Height of Clouds from the Humidity of the Air at the Ground," 1946, No. 1.
- Ivanov, N. I., "Twenty-Five Years of the Moscow Hydrometeorological Technical School," Nov/Dec 1955, No. 8. *
- Izvekov, B. I., "Professor L. A. Kibel's Theoretical Method of Weather Forecasting," 1941, No. 5. *
- Kalinovsky, A. B., et al., "The Use of Aerological Data in Weather Analysis and Forecasting," 1939, No. 9. (ATI-113169) *
- Kalitin, N. N., "Variations of Monthly Total Amounts of Heat from Solar Radiation," 1946, No. 1. (ATI-113836) *
- Kashin, K. I., "Twentieth Anniversary of the Central Institute of Weather Forecasts," April 1956, No. 4. *
- Kashin, K. I., "Forty Years of Development of Synoptic Meteorology," 1957, No. 11. *
- Kask, A. G., "The 'Tallin' Hydrometric Suspension Drawbridge," 1955, No. 5.
- Kastrov, V. V., "A Radiosonde Without a Transmitter," 1946, No. 3.
- Kastrov, V. V., "Atmospheres of Planets," 1955, No. 1.
- Kastrov, V. V., "Measurements of Effective Emission in the Region of Maximum Transparency of Aqueous Vapor," 1946, No. 1.
- Kats, A. L., and Tyurina, K. I., "Circulation Peculiarities in the Winter of 1953-54," Jan 1956, No. 1. *
- Kazantsev, B. P., "The Use of Aerial Photography Survey to Study the Settling and Carrying-Off of Snow," April 1956, No. 4. *
- Khalavitskiy, Z. Z., "Unutilized Possibilities for Determining the Spatial Distribution of Overcast," Jan/Feb 1955, No. 1. *

METEOROLOGIA I GIDROLOGIA (Cont'd)

- Khakhalin, V. S., "A Small Starting Device for Releasing of Radiosondes in a Strong Wind," May/Jun 1955, No. 3. *
- Khanaichenko, N. K., "Deformation Field of Intensity and Movement of Ice in the Arctic Ocean," 1946, No. 6.
- Khrabrov, Yu. B., "Forecast Based on the Natural Synoptic Period," Nov/Dec 1955, No. 6.
- Khrgian, A. Kh., "The Russian Synoptic Meteorologists of the 19th Century and Their Role in Science," 1946, No. 2.
- Khrgian, A. Kh., "B. B. Gellitzone," 1946, No. 7.
- Khrgian, A. Kh., Book Review: "M. M. Pomortsev — First Russian Aerologist," Nov/Dec 1955, No. 5. *
- Khrgian, A. Kh., "I. I. Kasatkin and His Work on Thunderstorm and Storm Clouds," May/Jun 1955, No. 3. *
- Khromov, S. P., "New Maps of the Principal Frontal Zones," 1940, No. 8. (ATI-165045) *
- Khromov, S. P., "Review of Basic Concepts of Synoptic Analysis," 1950, No. 2.
- Kibel, I. A., "On Errors of Haurwitz," 1947, No. 3. (ATI-110153) *
- Kibel, I. A., "Observations on the Theory of Thermal Turbulence in the Atmosphere," 1946, No. 2. (ATI-110449) *
- Kirilenko, P., and Protopopov, O., "The Seventieth Anniversary of the Poltava Meteorological Station," Feb 1956, No. 2. *
- Kirilova, T. V., and Ogneva, T. A., "Characteristic of the Heat Balance of Water Surface," April 1956, No. 4. *
- Kiriukhine, B. V., "Estimation of Air Humidity at Low Temperatures by Means of a Psychrometer, Based on the Condensation Principle," 1946, No. 4.
- Klyucharev, S. S., "Methods of Analysis of Temperature Variations in the Atmosphere," 1940, No. 9. (ATI-27874) *
- Klyucharev, S. S., "Tentative Analysis of Temperature Variations in the Troposphere," 1940, No. 10. (ATI-27983) *
- Kokulin, P. P., "The Problem of the Procedure of Observation of Swells," Feb 1956, No. 2. *
- Korzun, V. I., "To Develop and Improve the Development of Hydrometeorological Instruments," Nov/Dec 1955, No. 6. *
- Korzun, V. I., "The Observation Work of the Hydrometeorological Net," 1946, No. 3. (ATI-120873) *
- Kukhto, A. P., "Deviation of the True Wind From the Geostrophic Wind," Feb 1956, No. 2. *
- Kulik, M. S., "A Book Whose Contents Does Not Correspond to Its Title," Feb 1946, No. 2. *

METEOROLOGIIA I GIDROLOGIIA (Cont'd)

- Kurganskaya, V. M., "The Synoptic Conditions Associated with Intrusions of Southern Cyclones Resulting in Blizzards Along the Railroads of Western Siberia and Kazakhstan," 1936, No. 1. (ATI-113124) *
- Kuzmin, P. S., "On Meteorological Conditions of Heat Exchange Between Sea and the Overlying Layer of Air," 1946, No. 4.
- Kuzmin, P. S., "Influence of Agrotechnical Measures on the Run-Off of the Volga River," 1946, No. 5.
- Kuznetsov, N. N., "A Contribution to the Theory of Föhn," 1940, No. 11. (ATI-27953) *
- Labeysh, V. G., "Measurement of the Direction of Surface Flow in the Open Sea," Nov/Dec 1955, No. 6. *
- Lalkhtman, D. L., and Timofeyev, M. P., "On the Method of Calculation of Evaporation From the Surface of Limited Water Basins," April 1956, No. 4. *
- Lalkhtman, D. L., Extract: "A New Method of Calculating Ballistic Wind and Ballistic Temperature," January 1946. (ATI-72254) *
- Lebedev, V. V., "New Formulas on the Growth of Ice in Arctic Rivers and Seas," 1940, Nos. 6/8. (AD-106683) *
- Lebedeva, N. V., "Consideration of the Role of Dynamic Turbulence in the Development of Convection," 1955, No. 2. *
- Leonov, N. G., "Some Characteristics of the Change in the Wind With Altitude Over the Eastern Shore of the Antarctic," June 1953, No. 6. *
- Leonov, M. P., "On Reducing Pressure to Sea Level at Meteorological Stations," 1952, No. 5. *
- Lir, E. S., "Types of Seasonal Circulation of the Atmosphere Over Eurasia and the Atlantic," 1936, No. 1. (ATI-110166) *
- Lir, E. S., "Basic Traits of the Seasonal Air Circulation Over the Southeast of the European Part of the USSR," 1940, Nos 5/6. *
- Lopukhin, E. A., "Intensity of Ultra-Violet Radiation in Tashkent," Jan 1946, No. 1.
- Lopukhin, Ye. A., "Problem of the Procedure of Actinometric Observations and Their Handling," May/June 1955, No. 3. *
- Lutfulin, I. Z., "Construction of AT-700 Maps for Intermediate Periods," Feb 1956, No. 2. *
- L'vov, A. M., "Course Increasing the Skill of Leading Workers of the Hydrometeorological Service," Jan 1956, No. 1. *
- L'vovich, M. I., "On the Problem of Hydrology in the Fourth Five-Year Plan," 1946, No. 1. (ATI-113167) *
- Lysogorskiy, A. S., "Concerning the Paper of A. A. Artamonov, 'A Method of Precalculating Air Temperature'," 1957, No. 9. *

METEOROLOGIA I GIDROLOGIA (Cont'd)

- Makarevich, T. N., and Mytarev, M. M., "On the Possibilities of Long Range Quantitative Prognosis of Ice Formation on Rivers of the Northwestern Territory of European USSR," 1957, No. 9. *
- Maksimov, S. A., "Papers on Complex Climatology of 15 Years," 1940, Nos. 1/2.
- Maksimov, I. A., "Method of Calculating Runoff in Desert Areas," Sept/Oct 1955, No. 5. *
- Maksimov, I. A., "Possibility of Predicting the Level of the Amu-Dar'ya at Freezing Time," Sept/Oct 1955, No. 5. *
- Malik, S. A., "Masking of Fronts in the Caucasus," 1939, No. 6. (ATI-164764) *
- Matveyev, R. T., "The Distribution of the Wind Velocity in the Boundary Layer of the Atmosphere and the Determination of the Parameters of Turbulent Exchange," 1949, No. 3. (ATI-161132) *
- Matveyev, L. T., "Principles of the Qualitative Analysis of Conditions of Vortex Formation in the Atmosphere and Some Results of Their Tests," April 1956, No. 4. *
- Mertsalov, A. N., "Determination of the 'Vertex' Part of Pressure Change From Maps of Absolute Barometric Topography," Nov/Dec 1955, No. 6. *
- Mertsalov, A. N., "On the Problem of the Motion of Surface Pressure Systems," 1956, No. 10. *
- Mertsalov, A. N., "The Role of the Divergence-Convergence of the Wind in Changing Cyclone-Anticyclone Conditions," April 1956, No. 4. *
- Mertsalova, O. B., "Conference on Problems of Aeroclimatology," 1955, No. 1. *
- Mezentsev, V. S., "More on the Calculation of the Average Total Evaporation," Sept/Oct 1955, No. 5. *
- Mikhaylov, A. N., "Results From the Meeting on the Problem of Service to the River Fleet Gorkiy," 1957, No. 10. *
- Minina, L. S., "Changes in Air Mass Moisture Content Under the Influence of the Underlying Surface," Sept/Oct 1955, No. 5. *
- Moklyak, V. I., "On the Nature of Reduction of Maximum Moduli of Flow (Rain)," April 1956, No. 4. *
- Monakhov, F. I., and Baryshnikov, V. B., "About the Problem of the Sources of Microseismic Oscillations," April 1956, No. 4. *
- Morozov, P. N., "Twenty-Fifth Anniversary of the Leningrad Hydrometeorological Institute," May 1956, No. 5. *
- Muchnik, V. M., "Some Problems in Procedure for Observation of Showers and Thunderstorms," 1955, No. 1. *
- Muchnik, V. M., "Relation of Storm Formation to the Intensity of Precipitations," 1957, No. 9. *

METEOROLOGIA I GIDROLOGIA (Cont'd)

- Nezhikhovskiy, R. A., "Observations on the Degree of Snow Coverage of an Area in Spring," Jan/Feb 1955, No. 1. *
- Nikandrov, B. Y., "On the Problems in the Five-Year Plan of the Hydrometeorological Service," 1946, No. 1. (ATI-110468) *
- Nikandrova, G. T., and Chuvayev, A. P., "On the Role of Retaining Layers in Permitting Precipitation," April 1956, No. 4. *
- Nikandrova, G. T., and Smirnov, S. A., "Interdepartmental Conference on Problems of the Investigation of Clouds, Precipitations and Storm Electricity," May 1956, No. 5. *
- Ogir', I. P., "Experience Gained in the Work of the Commission on Invention and Rationalization Administration of the Far East Hydrometeorological Service," Jul/Aug 1955, No. 4. *
- Okushko, A. A., "The Section for Agricultural Meteorology of VASKHIL (All Union of Agricultural Sciences imeni Lenin)," 1957, No. 8. *
- Orlova, Ye. M., "Calculation of Vertical Velocities According to Wind Field Data," 1955, No. 1. *
- Pastukh, V. P., "The Climate of the USSR," 1946, No. 3. (ATI-120883) *
- Pastukh, V. P., "On the Possibility of Destruction of Cold Waves by Means of Atomic Energy," 1946, No. 2. (ATI-120885) *
- Pastukh, V. P., "On the Problems of Energy Possibilities for Destroying Cold Waves," 1946, No. 2. (ATI-110477) *
- Pastukh, V. P., "Session of the Scientific Council of the Main Geophysical Observatory, Devoted to the Fortieth Anniversary of the Death of Voyeykov," May 1956, No. 5. *
- Pavlov, A. P., "Temperature Inversions in the Khibin Mountains (Kola Peninsula)," 1936, No. 6.
- Pavlov, V., Book Review: "The Hydrology of Dry Lands," 1956, No. 6. * (Available in U. S. Weather Bureau Library.)
- Pchelko, G., Extract: "A Storm Occurrence Over the Central Regions of the European Territory of the USSR," Jan 1946. (ATI-78854) *
- Ped', D. A., "Certain Features of Circulation in Natural Synoptic Periods," 1957, No. 8. *
- Pinus, N. Z., "Brussels Session of the Special Committee on Conduct of the Third International Geophysical Year," Jan 1956, No. 1. *
- Pinus, N. Z., "On the Problem of Experimental Research on Gusty Air Currents in the Free Atmosphere," 1946, No. 4. (ATI-113864) *
- Pinus, H. Z., "On the Question of Estimating the Atmosphere Turbulence by the Intensity of Roll and Pitch of High Speed Aircraft," 1956, No. 10. (AD-130374) *

METEOROLOGIA I HIDROLOGIA (Cont'd)

- Pogosian, Kh. P., and Taborovskii, N. L., "Aerological Conditions of Development and Extinction of Cyclones," 1939, No. 12. (ATI-113170) *
- Pogosian, Kh. P., and Taborovskii, N. L., "Average and Actual Distribution of Energy in the Atmosphere," 1940, No. 9. (ATI-120336) *
- Pogosian, Kh. P., and Bertsev, A. I., "The Influence of the Vertical Movements of Air Upon the Variation of the Troposphere's Thermal Field," March 1955, No. 3. *
- Pogosian, Kh. P., "Variation of Air Temperature Within a Developing Cyclone System," Jan 1956, No. 1. *
- Pogosian, Kh. P., and Taborovskii, N. L., "Transformation of Air Masses and the Dynamics of Atmosphere Processes," 1940, No. 4. (ATI-110454) *
- Pogosian, Kh. P., and Taborovskii, N. L., "The Higher Level Deformation Fields and Their Part in the Cyclogenesis and Anticyclogenesis," 1940, No. 4. (ATI-120337) *
- Pogosian, Kh. P., "Seasonal Characteristics of the Distribution of Jet Streams in the Northern Hemisphere," 1957, No. 9. *
- Pokrovskaya, T. V., "On the Organization of the Study of Maximum Run-Off From Small Watersheds," 1940, No. 8.
- Pokrovskaya, T. V., and Rubinshteyn, Ye. S., "Problem of the Study of Heat Exchange Between Oceans and Continents," May/June 1955, No. 3. *
- Ponomarenko, G., "Evaporation and Heat Exchange in the Sea of Okhotsk," 1940, No. 10. (ATI-27984) *
- Ponomarev, P. D., "Hydrometeorological Service at Rayon Agricultural Fairs," Nov/Dec 1955, No. 6. *
- Popov, N. I., "Tornadoes on the Coast of the Black Sea," Sept/Oct 1955, No. 5. *
- Popov, B. M., "Work of the Yaroslavl Hydrometeorological Bureau," Jan 1956, No. 1.
- Popov, T. P., "The Problem of the Phase State of Precipitation," Sept/Oct 1955, No. 5. *
- Prikhot'ko, G. F., "One Hundred Years Since the Formation of the Kiev Geophysical Observatory," Feb 1956, No. 2. *
- Putokhin, V. A., "The Central Construction Bureau in 1945," 1956, No. 2. *
- Puzanov, V. P., "Measurement of Humidity of the Air at Meteorological Stations," 1953, No. 9. *
- Puzanov, V. P., and Akhuratov, V. L., "The Mechanism of Formation of Certain Types of Halitine," 1952, No. 6. (For sale by Associated Technical Services.)
- Rakhmarov, V. V., "Influence of Forests on the Formation of Snow Accumulations," 1956, No. 11.

METEOROLOGIA I HIDROLOGIA (Cont'd)

- Reshetov, V. D., "Explanation of the Diurnal Course of the Wind in the Atmosphere," Sept/Oct 1955, No. 5. *
- Romanov, N. N., Review: "Change in Pressure Near the Earth's Surface," Nov/Dec 1955, No. 6. *
- Rudnev, G. V., "Hydrometeorological Service at the All-Union Agricultural Exposition of 1955," May/Jun 1955, No. 3. *
- Rudnev, G. V., "Book Reviews and Bibliography," 1956, No. 9. *
- Sadokov, V. P., "On Calculating Atmospheric Fronts in Analyzing Pressure Changes in the Mean Troposphere," 1956, No. 7. *
- Sakalin, L. L. and Gagarina, Ye. T., "Certain Results From Measurements of the Radiation Balance of an Active Surface," 1957, No. 8. *
- Samochkin, V. M., "Use of the Heat Balance Equation for Making More Losses From Water Surface," Feb 1956, No. 2. *
- Saverenskiy, F. Ye., et al., "Relation Between Microseismic Fluctuations and the Position of Cyclones Over Oceans," Nov/Dec 1955, No. 6. *
- Savchenkova, Ye. L., "The Use of the Index of Atmospheric Circulation in Working Out a Long-Range Forecast of the Thawing Times of Rivers," 1957, No. 5.
- Selezneva, Ye. S., "Conditions that Determine the Quantity of Cumulus Clouds," 1953, No. 2. *
- Selezneva, Ye. S., "The Microstructure of Clouds," 1948, No. 2. *
- Seloust'ev, A. V., "The Forecasting of Cyclonic Outbreak From Southwestern Central Asia on the Basis of Pilot-Balloon Observations," 1938, Nos. 11/12. (ATI-28021) *
- Semenov, V. G., "Relation of Vertical Motion With Precipitation in the European Territory of the USSR in the Winter Months," 1957, No. 10. *
- Shatberashvili, P., "Hydrographs of Floods in the Analysis of Cloudburst Canals," 1956, No. 1. (Available in U. S. Weather Bureau Library.)
- Shipchinskiy, A. V., "Problem of Meteorological Programs at Agricultural Institutes," 1957, No. 9. *
- Shishkin, N. S., "Prognosis of Storms and Cloudburst by the Layer Method," 1957, No. 8. *
- Shishkov, V. G., "The Role of Certain Characteristics of the Current Natural Synoptic Period for the Forecasting of the Succeeding Natural Synoptic Period," Jul/Aug 1944, No. 4. *
- Shilamine, B. A., "Some Data on the Wave System of the Sea of Azov," 1946, No. 3. *
- Shilamine, B. A., "Wave Action in the Sea of Azov," 1946, No. 5. *

METEOROLOGIA I GIDROLOGIA (Cont'd)

- Shulepin, P. A., "From the Experimental Work of the Hydrometeorological Station at Umba," 1957, No. 8. *
- Shtal', V. A., Review: "N. Kolobkov's Aviometeorological Observations," Jan 1956, No. 1. *
- Silich, M. V., and Buz, A. I., "Third Scientific Conference of Geophysics of Lithuanian SSR," 1955, No. 1. *
- Simonov, Ya. P., and Shumeyko, V. F., "Universal Model of the Hellograph," Jul/Aug 1955, No. 4. *
- Slobodov, B. Ya., "Determination of Geopotential Altitudes, Energy of Instability, and Reserve Energy Circulation," Jan 1956, No. 1.
- Sobolev, L. G., "Meteorological Observations in the Antarctic," Jan 1956, No. 1. *
- Sobolev, L. G., "Preparations for the Holding of the International Geophysical Year," Sept/Oct 1955, No. 5. *
- Sokolov, S. I., "Calculation of Humidity of Air During Radiosounding of the Atmosphere," Nov/Dec 1955, No. 6. *
- Sokolov, P. A., "On the Meteorological Service of the Civilian Air Fleet," 1957, No. 5.
- Sokolovskii, D. L., "Method Calculation of Maximal Discharges and Hydrographs of Spring Flood Waters," 1956, No. 5. (Available in US Weather Bureau Library.)
- Solonenko, A. A., "Evaporator for Micrometeorological Observations," Jan 1956, No. 1.
- Solov'yev, V. A., "Summary Session of the Main Geophysical Observatory imeni A. I. Voyeykov," May/Jun 1955, No. 3. *
- Starov, D. K., "Problem of the Steaming of Seas," Nov/Dec 1955, No. 6. *
- Stepanov, A. S., "A Net for Filling Radiosonde Balloons Under Travelling Conditions," Jan 1956. (ATI-78854) *
- Svislyuk, I. V., "Experience in Giving Service in Agricultural Meteorology to a Basic Model Machine-Tractor Station," 1957, No. 9. *
- Tauber, G. M., "Outline of Antarctic Climate," Jan 1956, No. 1. *
- Temnikova, N. S., "Dust Storms in Stalingrad Oblast," 1955, No. 1. *
- Temnikova, N. S., "Frosts on Fallow Land and of Herbage," Sept/Oct 1955, No. 5. *
- Tokmakov, A. I., Review: "Course in Climatology," Sept/Oct 1955, No. 5. *
- Topol'nitskiy, N. M., "Disregard of Soviet Meteorologists' Inventions," 1948, No. 2. *
- Toporkov, L. G., Review: "Oceanography," Sept/Oct 1955, No. 5. *
- Trushin, V. F., "Character of Snow Thawing and Intensity of Spring Water Runoff at Continuous Covering of Snow With Black Powder," 1957, No. 3. *

METEOROLOGIA I GIDROLOGIA (Cont'd)

- Ugarova, K. F., "Role of the Changes of the Tropospheric Temperature Field in the Evolution of Jet Streams," 1958, No. 1. (AD-202645) *
- Uryvaev, V. A., "The Evolution of Hydrological Experiments," 1946, No. 1. (ATI-113107) *
- Uspenskiy, B. D., "Theory of Local Variations of Pressure Near the Earth's Surface," 1955, No. 1. *
- USSR, "Works of the Scientific-Research Installations of the Hydrometeorological Service During 1956 (Continuation)," 1957, No. 10. *
- USSR, "Table of Contents of Meteorologia i Gidrologia for 1952," 1953, No. 1. *
- USSR, "Table of Contents of Meteorologia i Gidrologia for 1954," 1955, No. 1. *
- USSR, "Table of Contents of Meteorologia i Gidrologia for 1955," 1956, No. 1.
- USSR, "Hydrometeorological Service in Stalin Five-Year Plan," 1953, No. 1. *
- Vangenheim, G. L., "On the Question of Typization and Schematization of Atmospheric Processes," 1938, No. 3. (ATI-137073) *
- Vitels, L. A., "An Auxiliary Synoptic Method of Long-Range Basic Features of Ice Phenomena in Rivers of the Northern Part of the European USSR," 1946, No. 4. *
- Vitels, L. A., "The Methods of Selecting Analogs in Long-Range Weather Forecasts," 1948, No. 3.
- Vitels, L. A., "Group Characteristics of Analogs," 1948, No. 4. *
- Voronkov, P. P., "On the Hydrochemical Method of Determining the Subterranean Portion of Water in a River Flow," 1955, No. 5. *
- Vorentsov, P. A., "On the Level of the Development of Convective Movements in the Atmosphere," 1956, No. 9. *
- Yaroslavtsev, I. M., "Material for the Typification of Synoptic Processes Over Central Asia," 1939, Nos. 10/11. *
- Yaroslavtsev, I. M., "Transformation of Air Masses Over Tashkent," 1940, Nos. 5/6. (ATI-27918) *
- Yaroslavtsev, I. M., "Some Peculiarities of Synoptic Analysis in Central Asia," 1939, No. 6. (ATI-27879) *
- Yaroslavtsev, I. M., "Midday Values of the Intensity of the Direct Solar Radiation in Tashkent," May 1952, No. 5. *
- Zakharov, V. N., "International Award," 1956, No. 8. *
- Zakaznov, N. P., "A New Method of Measuring Air Current," Nov/Dec 1955, No. 6. *
- Zamorskiy, D. D., "Rose Colored Overcast Sky," 1956, No. 7. *

METEOROLOGIIA I GIDROLOGIIA (Cont'd)

- Zamorski, A. D., "On the Genetic Classification of Fog," 1946, No. 6.
- Zamorski, A. D., "Thunder in the Clear Sky," Nov/Dec 1955, No. 6. *
- Zigun, V. P., "International Conference on Problems of Hydrometeorology," Nov/Dec 1955, No. 6. *
- Zolotukhin, A. A., "Directives of the Twentieth Congress of the Communist Party of the Soviet Union Regarding the Sixth Five-Year Plan and the Tasks of the Hydrometeorological Service," 1956, No. 9. *
- Zubyan, G. D., "Planetary Frontal Zone in the Lower Stratosphere," 1956, No. 9. * (AD-153710)
- Zubyan, G. D., "Investigation of a Three-Dimensional Front Embracing the Entire Troposphere and the Lower Stratosphere," 1957, No. 5.
- Zubyan, G. D., "Some Problems of the Spatial Thermobaric Structure at Atmospheric Fronts," 1957, No. 3. *

METEOROLOGISCHE RUNDSCHAU

- Attmannspacher, W., "Chromospheric Eruptions and Temperatures at the Altitudes of 15 mb, 41 mb, and 96 mb," Vol. 8, Nos. 1/2, 1955. *
- Ehmert, Alfred, "A Simple Process for Absolute Measurement of the Ozone Content in the Air," Vol. 4, Nos. 3/4, 1951. (AD-72447) *
- Flohn, H., "On Cold Metastable High-Pressure Areas," Vol. II, Nos. 3/4, 1949. (AD-104479) *
- Flohn, Hermann and Hess, Paul, "Singularities of Large Scale Meteorological Conditions Over the Course of a Year in the Trend of Weather Conditions for Central Europe (Statistical-Synoptical Examinations 2)," Vol. 2, Nos. 9/10, Sept/Oct 1949. (ATT-164783) *
- Flohn, Hermann, "The Aerology of the Polar Regions," Vol. 5, 1952. (AD-85329) *
- Flohn, Hermann, "The Climate of the High Mountains in Central Asia II," Vol. 9, Nos. 5/6, 1956. *
- Flohn, Hermann, "Revision of the Theory Concerning Trade Wind Circulation," Vol. 8, Nos. 1/2, 1953. *
- Kleinachmidt, Ernst, Jr., "The Formation and Origin of Cyclones," Vol. 3, Nos. 1/3, 1950.
- Krebs, H. D., and Doege, W., "A Contribution to the Problem of Cirrus Clouds," Vol. 9, Nos. 7/8, 1958. *
- Meyer, H. K., "Flight Through a Cold Air Drop Over the Ocean," Vol. 3, Nos. 5/6, 1950. (ATT-116325) *

METEOROLOGISCHE RUNDSCHAU (Cont'd)

- Rau, W., "The Ice-Nucleus Concentrations of Various Air Masses," Vol. 7, No. 12, 1954. (AD-140054) *
- Rau, W., "The Ice-Nucleus Concentration and the Ice-Nucleus Spectrum of the Natural Aerosol," Vol. 7, Nos. 3/4, 1954. (AD-140060) *
- Reiter, R., "Time Variations in Vertical Current, Atmospheric-Electrical Field, and Atmospheric Conductivity on the Zugspitze and on the Zugspitzplatt During Fog," Vol. 7, Nos. 11/12, 1954.
- Volgts, Heinrich, "Meteorology in German Secondary Schools," Vol. 9, Nos. 5/6, May/Jun 1956. *

METEOROLOGISCHE ZEITSCHRIFT (Braunschweig)

- Arakawa, H., "The Air Masses of the Japanese Regions," Vol. 54, No. 4, 1937. *
- Baur, Franz, "On the Method of 'Analogous Cases'," Vol. 61, Jan 1944. *
- Bergeron, Tor, "Outline of a Dynamic Climatology," Vol. 47, No. 7, 1930. *
- Bjerknes, V., "Weather Forecasting as a Problem in Mechanics and Physics," Vol. 21, No. 1, 1904. *
- Bjerknes, J., "Theory of Extratropical Cyclone Formation," Vol. 54, No. 12, 1937. *
- Bleeker, W., "The Formation of Ice on Aircraft," Vol. 49, No. 9, 1932. (ATI-43535) *
- Conrad, V., "Christmas Island; A Contribution to the Climatology and Meteorology of the Indian Ocean," Vol. 43, No. 2, 1926. (ATI-27971) *
- Ertel, Hans, "On Steady Oscillatory Air Currents on the Rotating Earth," Vol. 60, Oct 1943. *
- Findelsen, W., Summary: "Do Condensation Nuclei Originate at the Surface of the Sea"? Vol. 54, No. 1, 1937. (AD-141035) *
- Findelsen, W., "On the Formation of the 0°C Isothermal Layer and the Building Up of Fractocumulus Below Nimbostratus," Vol. 57, No. 2, 1940. (ATI-113117) *
- Findelsen, W., "Meteorological-Physical Limitations of Icing in the Atmosphere," Vol. 55, No. 10, 1938. (ATI-61631) *
- Flohn, Hermann, "On the Climate of the Free Atmosphere Over Siberia: Temperature and Barometric Pressure in the Troposphere Over Yakutsk," Vol. 61, No. 2, 1944. *
- Foltzik, Leonhard, "Visual Range by Day and Penetration Range by Night," Vol. 49, No. 4, 1932. (AD-110151) *
- Luchmann, G., and Schwalbe, G., "The Depth of the Snow Cover in Northern Germany," Vol. 33, No. 7, 1916. (ATI-120882) *

METEOROLOGISCHE ZEITSCHRIFT (Braunschweig) (Cont'd)

Löhle, F., "On the Prognostic Significance of Haze," Vol. 57, No. 2, 1940. (ATI-27850) *

Löhle, F., "Stratification of Haze and Upper Pressure Waves," Vol. 57, No. 4, 1940. (ATI-27876) *

Lucht, Fritz, "Part Played by Stratosphere in Steering of Cyclones and Anticyclones According to Theory of Singular Advection of the First Order," Vol. 56, No. 1, 1941. (ATI-27959) *

Mecke, R., "The Laws of Light Propagation in Optically Turbid Media and the Problem of Visual Range," Vol. 61, No. 6, 1944. (ATI-110150) *

Möller, F., "Fundamentals of Diagrams for Calculating the Flux of Long Wave Radiation," Vol. 61, No. 2, 1944.

Osthoff, H., "The Mammato-cumulus," Vol. 23, No. 9, 1906. (AD-77899) *

Raethjen, P., "Fifty Years of Cyclone Theory and Its Development up to the Present," Vol. 54, No. 12, 1937. *

Regener, Erich, "The Ozone Layer and Atmospheric Turbulence," Vol. 60, No. 8, 1943. (ATI-44420) *

Rink, J., "The 'Mozzagott' Cloud," Vol. 54, No. 5, 1937.

Schmelinsky, F., "The Dependence of the Visual Range and the Coefficient of Haze Extinction on the Wavelength," Vol. 61, No. 6, 1944. (ATI-110108) *

Schostakowitch, W. D., "The Significance of the Wind for the Climate of Eastern Siberia," Vol. 44, No. 3, 1927. (ATI-27898) *

Stumpff, K., "Investigations of the Morphology of Atmospheric Pressure Curves," Vol. 55, No. 7, 1938. (ATI-113151) *

Suckstorff, G. A., "Formation of Cold Air Masses by Precipitation," Vol. 55, No. 8, 1938. (ATI-110103) *

Wahl, E., "Amplification of the Concept of Symmetry-Pressure Curves," Vol. 56, No. 12, 1939. (ATI-120332) *

Wahl, E., "Symmetries and Periods of Temporal Cause of the Barometric Mean Temperature of the Lower Half of the Troposphere," Vol. 57, No. 1, 1940. *

METEOROLOGICKE ZPRAVY

[Anon]: "Third Hydrometeorological Conference in Czechoslovakia," Vol. VII, No. 6, 1954. *

Brandejs, Stanislav, "Equation of the Tendency of Absolute Topography of Isobaric Planes," Vol. VI, No. 5, 1953. *

Brandejs, Stanislav, "Dynamic Weather Forecasting Methods," Vol. 6, No. 3, 1953. *

METEOROLOGICKE ZPRAVY (Cont'd)

- Brandejs, S., et al., "Forecasting the Reconstruction of the Synoptic Situation," Vol. VII, No. 2, 1954. *
- Brandejs, S., and Zikunda, P., "Equation for the Prognosis of the Barometric Field Near the Ground," Vol. X, No. 3, 1957. *
- Brandejs, S., "Sixty-Fifth Anniversary of Professor Alois Gregor," Vol. X, No. 3, 1957. *
- Jilek, Josef, "Rhythm and Long-Range Forecast," Vol. VII, No. 3, 1954. *
- Koldovsky, Milan, "Few Notes About the Forecasting of Convection Streams," Vol. VII, No. 1, 1954. *
- Kopacek, J., "Forecast of Minimum Temperature by Brunt's Method," Vol. VI, No. 4, 1953. *
- Mesaros, Jozef, "The Weather and Growth of Rice in Slovakia in 1952," Vol. VI, No. 3, 1953. *
- Struzik, Vladimír, "Evaporigraph for Meteorological Measurements," Vol. IX, No. 1, 1958. *
- Stuchlik, F., "Long-Range Forecasts -- Their Purpose and Solution," Vol. VII, No. 4, 1954. *
- Vitek, Vojtech, "Dynamic Forecasting Methods in Synoptic Meteorology 3d Kibel Method," Vol. VI, No. 2, 1953. *
- Vitek, Vojtech, "Presentation of a Method for the Quantitative Computation of Non-Adiabatic Actions," Vol. X, No. 3, 1957.
- Zikmunda, Otakar, "Forecast of the Weather for Days of 9-11 November 1950 by the Sutcliffe Method of Evolution," Vol. VI, No. 4, 1953. *
- Zikmunda, Otakar, "Relationship Between Changes of Ground Pressure, Height of Isobaric Surface 500 mb, and Thickness of Relative Topography 1000-500 mb," Vol. 9, No. 1, 1958. *

MINISTERE DE L'AIR, PUBLICATIONS SCIENTIFIQUES ET TECHNIQUES (See: PUBLICATIONS SCIENTIFIQUES ET TECHNIQUES DE MINISTERE DE L'AIR)

MEZHDUNARODNYI GEOFIZICHESKIY GOD--INFORMATSIONNYI BYULLETEN'

- [Anon]: "Program of Investigations With the Aid of Rockets and Artificial Earth Satellites Planned by the Soviet Union for the IGY," No. 3, 1957. *
- [Anon]: "Communications (Specification of Tasks, and Principal Participants)," No. 4, 1958. *
- [Anon]: "Report of the Bureau CSAGI," No. 4, 1958. *

MEZH DUNARODNIYY GEOFIZICHESKIY GOD--INFORMATSIONNIYY BYULLETEN' (Cont'd)

Avesyuk, G. A., "Fourth Antarctic Conference," No. 4, 1958. *

Bel'shakova, L. G. et al., "Electrophotometric Investigations of Night Glow," No. 4, 1958. *

Grave, N. A., "Preparation for Investigations in the Suntar-Khayata Mountain Region," No. 3, 1957. *

Khrgian, A. Kh., "Geophysical Observations Being Realized With the Aid of Artificial Earth Satellites," No. 4, 1958. *

Nikolayev, A. D., "World Data Centers," No. 4, 1958. *

Povzner, A. D., "Resolutions of the Special Committee for the International Geophysical Year, Adopted in 1954-1957," No. 4, 1958. *

Pushkov, N. V., "Regional Conference on the Problem of Organizing the Announcements of Special World Intervals," No. 4, 1958. *

Reshetov, V. D., "Preparation of the Central Aerological Observatory for the International Geophysical Year," No. 3, 1957.

Selected Articles, No. 5, 1958. *

Contents:

"Draft of the Interdepartmental Plan for the Scientific Processing of IGY Data and the Thematics of Scientific-Research Work on the Basis of These Data," pp. 3-14.

"Some Problems in Processing IGY Materials," by A. Kh. Khrgian, pp. 15-22.

"Investigation of Atmospheric Ozone," by G. V. Bukin, pp. 37-39.

"Investigation of Upper-Atmosphere Luminescence," by T. G. Megrellishvili and L. M. Fishkova, pp. 43-44.

"Some Results of the Observations of Noctilucent Clouds," by N. I. Grishin, pp. 47-55.

"Glaciological Work of El'brus," by G. K. Tushinskiy, and G. K. Sulakvelidze, pp. 56-63.

"Maiden Voyage of the 'Vityaz' Under the IGY Program," by A. D. Dobrovolskiy, pp. 74-77.

"The Second Expedition of the 'Vityaz' Under the IGY Program," by V. G. Bogorov, pp. 78-81.

"The Present State of Central Asian Glaciers," by R. D. Zabiroy, pp. 91-94.

Sysoyev, N. N., "Automatic Buoy Stations," No. 4, 1958. *

Troitskaya, V. A., "Conference on Rapid Variations of the Magnetic Field and the Field of Earth Currents," No. 4, 1958. *

MISCELLANÉES, INSTITUT ROYAL MÉTÉOROLOGIQUE DE BELGIQUE

Defrise, Pierre, "Contribution to a Comparative Study of Aerological Charts," Facs. 33, 1938. (STI-ATI-202086) *

MITTEILUNGEN AUS DEM GEBIET DES SEEWESENS

Kesslitz, W., "Tidal Phenomena in the Harbor of Ragusa; Meteorological Influences on Water-Level Changes," Vol. 40, No. 6, 1912.

MITTEILUNGEN DER DEUTSCHE WETTERDIENST

Israel, Hans, "Atmospheric-Electric Synopsis," No. 7, 1954. *

MOLODOR KOMMUNIST

Bogorov, V. G., "The Central Soviet Arctic," No. 9, Sept. 1954. *

MORSKOI FLOT

Gordienko, P., "A Study of the Ice Regime in Arctic Seas and in the Arctic Ocean," No. 3, 1955. (AD-88299) *

Tolstikov, E., "A Year's Work on Drifting Ice Floes," No. 7, 1955. *

Zotin, M., "On the Drift of Scientific Stations in the Central Arctic," No. 11, 1955. *

MORSKOY SBORNIK

Borezkin, Vs. A., "Warming in the Arctic and Increased Circulation of the Waters of the Polar Basin," No. 4, 1937. (AD-48533) *

NACHRICHTEN TECHNIK

Lauter, E. A., and Klinker, L., "Phenomena in Ultrashort-Wave Reception Over Great Distances," Vol. 4, No. 6, 1954. (AD-137531) *

NACHRICHTENBLATT FUER DEN DEUTSCHE PFLANZENSCHUTZDIENST

Schroedter, H., "The Importance of Mass Exchange and Wind for the Spreading of Plant Diseases — A Contribution to Epidemiology," Vol. III, No. 9, 1954. *

NATIONAAL LUCHVAART LABORATORIUM, REPORTS

Pool, A., "Development and Testing of a Total Temperature Air Thermometer Probe," Report V.1610, 1951. (AD-117954) *

NATIONAAL LUCHVAART LABORATORIUM, REPORTS (Cont'd)

Pecol, A., "Measurement of the Recovery Factor of the N. L. L. Total Temperature Air Thermometer Probe in a Wind Tunnel," Report V.1622, 1951.

NATURA

Diaconescu, Gh. I., and Diaconu, C., "Hydrometeorology in the Rumanian People's Republic," Vol. VI, No. 5, 1954. *

NATURENS VERDEN

Fristrup, Berge, "Peary Land," Vol. 35, Nos. 1/2, 1951. (AD-45178) *

NATURWISSENSCHAFTLICHE RUNDSCHAU (Stuttgart)

Baur, Franz, "The Present Crisis in Synoptic Meteorology," Vol. 5, No. 8, 1953. (ATI-202294) *

Chapin, H., et al., "The Ocean River: Its History and Meaning for the Western World," Vol. 10, No. 7, July 1957.

Reichel, E., "Evolution of Climatology," No. 3, 1950. (ATI-161035) *

NATURWISSENSCHAFTEN (Berlin)

Harteck, Paul, and Suess, Hans, E., "The Deuterium Content of the Free Hydrogen in the Earth's Atmosphere," Vol. 36, No. 7, 1939.

Koschmieder, Harald, "Atmospheric Illumination and Visibility," Vol. 26, 12 August 1938. (ATI-110102) *

Roll, Ulrich, "Wind Distribution Over Sea Waves," Vol. 35, No. 9, 1948. *

Schumann, W. O., and Koenig, H., "Observation of 'Atmospherics' with Very Low Frequencies," Vol. 41, No. 8, 1954. (AD-47805) *

NAUKA I ZHIZN

Amelin, A. G., "Formation and Prevention of Fog," No. 1, 1952. (ATI-199774) *

Danilin, B. S., "The Satellite Studies the Atmosphere," No. 12, 1958. *

Muchnik, V. M., "The Nature of the Thunderstorm," Vol. 23, No. 6, June 1956. *

Shcherbakov, D. L., "Central Arctic," No. 9, 1954. (AD-70536) *

April 1959

AWS Bibl 15

NAUTIK

Roll, H. U., "The State of the Sea in the Free North Atlantic Based on New Wave Statistics," No. 20/21, May 1955. *

NEUE ZURICHER ZEITUNG

[Anon]: "Weather Reports," February to June 1942 inclusive. (ATI-113189) *

Lugeon, J., "Forecasting Based on Radio Meteorology," March 1942. *

Lugeon, J., "The 1957-1958 International Geophysical Year," No. 2548, Sept. 1955. *

NIKKAN KOGYO SHIMBUN (Japan)

Saito, Yukio and Serizawa, Takinosuke, "Electric Hygrometer and Electric Moisture Penetration Meter," 14 October 1957. *

NOGO BUTSURI KENKYU (Sapporo)

Sugaya, Juii, "Practical Investigations on the Condensation of Salinity of Sea-Water by Freezing," No. 1, 1949. *

NORSK TIDSSKRIFT SOVAESEN

Splunanger, F., "Concerning the Influence of the Terrain Upon the Winds in West-Norway (Vest-Norge) and the Fishing Banks Beyond West-Norway," May 1940. (AD-141036) *

OCEANOGRAPHICAL REPORT OF THE CENTRAL METEOROLOGICAL OBSERVATORY (Tokyo)

[Anon]: "Report on the Oceanographic Observation of the Sea Off the Tokoku District Made on Board the Research Marine Ship Yushio-Maru in Summer 1953," Vol. III, No. 3, 1953.

Takashi, Ichio, "Change of Density of Coastal Water Due to Precipitation," Vol. III, No. 3, 1954.

OGONEK (USSR)

Ryabchikov, Ye., "The Arrow of the Stratosphere," No. 4, January 1957. * (AD-140538)

OPTIK (Berlin)

Bullrich, K., "The Scattering of Light in Turbid Air," Vol. 2, No. 4, 1947. *

OPTIKA I SPEKTROSKOPIYA

Koronkevich, V. P., "The Dispersion of Air in the Visible Region of the Spectrum," Vol. 1, No. 1, 1956. (For sale by John Crerar Library.)

PETERMANN'S GEOGRAPHISCHE MITTEILUNGEN

Lautensach, Hermann, "On the Geography of Artificial Irrigation in Korea," Vol. 80, No. 9, 1940. (ATI-27877) *

Obrutschew, E., "The Airplane Flight of 1932 to Tshuktchis (Chukchee) Peninsula and Wrangel Island, With Map by K. Salistachew," Vols. 1/2, 1932. *

PHYSIKALISCHE BLÄTTER

Israel, H., "The Meteorological Observatory Aachen of the German Weather Service," Vol. XI, No. 2, 1955.

PHYSIKALISCHE ZEITSCHRIFT (Leipzig)

Albrecht, F., "Theoretical Investigation of Dust Deposition from Blowing Air and its Application to the Theory of Dust Filters," Vol. 32, No. 1, 1931.

Bergman, L., "An Objective Visibility Meter," Vol. 35, No. 5, 1935. (ATI-110435) *

Priebsch, Josef, "The Distribution of Radioactive Substance in the Free Air," Vol. 32, No. 16, 1931.

Schmid, R., and Gero, L., "Pre-Dissociation in the CO Spectrum at 8.83 Volts," Vol. 39, No. 11, 1938. (AD-47805) *

Schrodinger, E., "The Acoustics of the Atmosphere," Vol. 13, No. 19, 1917.

PHYSIKALISCHE ZEITSCHRIFT DER SOWJETUNION

Fuchs, N., "Concerning the Velocity of Evaporation of Small Droplets in a Gas Atmosphere," Vol. 6, 1934. (ATI-42274) *

POCHVOVEDENIE

Makarov, B. N., "In Regard to Methods of Determining the Gas Exchange Between Soil and Atmosphere, and Carbon Dioxide Content in the Soil Air," No. 2, February 1955. *

POGODA

Blumina, L., "Forecast of Pressure Field," No. 9, 1941. *

Mangengeim, G., "Seasonal Hydrometeorological Forecast," March 1941, No. 6. (ATI-110439) *

POLARFORSCHUNG

- Flohn, H., "Atmospheric Circulation in the Polar Regions," Vol. 3, No. 1, 1951. (AD-34786) *
- Georgi, J., "Suggestions for Meteorological Measurements for Future Expeditions to Greenland," Vol. 3, 1952.
- Israel, H., "Atmospheric-Electric Observations in the Polar Regions," Vol. III, Nos. 1/2, 1953. (AD-78343) *
- Macht, Hans, G., "Meteorological and Aviation Experience of the German Weather Reconnaissance Flights in the Arctic 1941-44," Vol. III, No. 1, 1951. (AD-141034) *

POSTĘPY FIZYKI (Warsaw)

- Kopcewicz, T., "Program of Poland's Participation in the International Geophysical Year 1957-58," Vol. VII, No. 1, 1946.

PRAKTIKA AKADEMIA ATHENON

- Kephala, A., "Rainfall Distribution in Thessaly," No. 2, 1927.

PRAVDA

- [Anon]: "Soviet Space Rockets," 12 Jan 1959. *
- [Anon]: "Workdays on Drifting Scientific Stations," 14 August 1954. *
- [Anon]: "Soviet Artificial Satellites of the Earth," 27 April 1958. *
- [Anon]: "At the Soviet IGY Committee," 30 August 1958. *
- Burkhanov, V., "New Arctic Studies by Soviet Scientists," 16 May 1954. *
- Burkhanov, V., "Scientific Research in the Arctic in 1954," July 1954. *
- Dolginev, S., and Tushkov, N., "Probing the Magnetic Field of the Earth With the Aid of Satellites," 22 October 1957. *
- Fesenkoy, V., "The First Cosmic Voyage," 4 January 1959. *
- Krasovskiy, V., and Okhotzinskiy, D., "Upper Atmosphere and Artificial Earth Satellites," March 1958. *
- Piotrovich, V. V., "Formation of Depth-Ice, No. 9, 1956. (AD-128195) *
- Skhlovskiy, I. G., "The Artificial Comet," 18 Jan 1959. *
- USSR, "Sputnik III," 13 July and 15 July 1958. *

PREUSSISCHEN AKADEMIE DER WISSENSCHAFTEN, PHYS. -MATH. KLASS.
SITZUNGSBERICHTE

Bartels, J., "Variations of Solar Radiation, Geomagnetically Determined," No. 12, 1941.

Defant, A., "The Equatorial Countercurrent," No. 28, 1935. (AD-88295) *

Ficker, H. von, "The Meteorological Conditions at Teneriffe (Canary Islands)," No. 2, 1930. (AD-117984) *

Ficker, H. von, "On the Formation of Local Heat Thunderstorms," Part I, January 1931. (ATI-110162) *

PRIBORY I TEKHNIKA EKSPERIMENTA

Imyanitov, I. M., and Mikhaylovskaya, V. V., "Aircraft Instrument for Measuring Charges of Precipitation Particles," No. 2, Mar/Apr 1958. *

Otto, A. N., Abstract: "Electrophotometric Device for Automatic Recording of Night Sky Radiation," No. 1, Jan/Feb 1958. *

PRIKLADNAYA MATEMATIKA I MEKHANIKA

Obukhoff, A. M., and Yaglom, A. M., "The Microstructure of Turbulent Flow," Vol. XV, 1951. *

PRIRODA (AKAD, NAUK SSSR)

Astapovich, L. S., "The Problem of the Counterglow," Vol. 39, No. 1, 1950. (ATI-160939) *

Bogorov, V. G., "Achievements of Soviet Oceanology," No. 1, 1959. *

Budkyo, M., and Pogosyan, Kh., "Changes Brought About in the Climate of the Ground Layers of Air by Ameliorative Measures in Arid Regions," Vol. 63, No. 5, 1954. (For sale by United Kingdom Scientific Mission.)

Denisov, P. S., et al., Review: "On the Struggle Against Unfavorable Climatic Conditions," Vol. 44, No. 12, December 1955.

Dibner, V. D., "The Origin of Drifting Ice Islands," No. 3, March 1955. *

Fesenkov, V. G., "On the Gaseous Tail of the Earth," Vol. 39, No. 11, 1950. (ATI-160939/AD-47492) *

Gaygerov, S. S., "Atmospheric Process in the Central Arctic," No. 12, December 1957. *

Goldovski, B. M., "Sliding Friction on Snow," Vol. 42, No. 6, 1953. *

Grabovskiy, R. L., "The Formation of Clouds and Atmospheric Precipitation," No. 10, 1954. (For sale by Associated Technical Services.)

Hagemelster, E. F., "The Ice Age and Atlantis," Vol. 44, No. 7, 1955. *

PRIRODA (AKAD. NAUK SSSR) (Cont'd)

- Isayey, S. I., "The Aurora Polarica," Vol. 44, No. 9, 1955. (AD-111039) *
- Kalitin, N. N., "The Arctic Sun," Vol. 29, No. 8, August 1940. *
- Kalitin, N. N., "Solar and Scattered Radiation in Tbilisi," Vol. 37, No. 5, 1948.
- Kalitin, N. N., "Vertical Movement of Air in the Stratosphere Due to Heating of Cosmic Dust by Solar Radiation," Vol. 36, No. 11, 1947. (AD-145407) *
- Kaplin, P. A. "Retreat of the Novaya Zemlia Glacier," No. 3, 1958. *
- Karpov, A. N., "Actinometric Observations of the Solar Eclipse on July 9, 1945," Vol. 36, No. 2, 1947.
- Khromov, S. P., "Climatic Fluctuations and Contemporary Warming Up," Vol. 45, No. 1, 1958. *
- Khvostikov, I. A., "Noctilucent Clouds," Vol. 41, No. 5, 1952. (AD-47127) *
- Krasovskii, V. I., Summary: "Soviets Report First Results of Upper Atmosphere Observations," No. 12, Dec 1957. *
- Krasovskii, V. I., "Study of the Upper Atmosphere," No. 5, 1957. *
- Krichak, O. G., "Weather Forecasting," Vol. 43, No. 1, 1954. *
- Multanovskii, B. P., "The Winter of 1929-30 from a Synoptic Point of View," Vol. 22, No. 3, 1930. (ATI-110455) *
- Obruchev, V. A., "Fifteenth Anniversary of the Ground Frost Study of the Academy of Sciences of the USSR," Vol. 35, No. 5, 1946.
- Obruchev, V. A., "Comments on Hagemeister's Paper," Vol. 44, No. 7, 1955. *
- Ostrekhn, M. Ye., "Recent Study and Exploration of the Central Arctic," Vol. 43, No. 12, 1954. (AD-88229) *
- Pobedonoscev, Yu. A., "Laws of Motion of an Earth-Satellite," No. 1, 1958. *
- Saks, V. N., et al., "Our Present Concepts of the Geology of the Central Arctic," Vol. 44, No. 7, 1955. *
- Sapozhnikova, S. A., and Nekhotyayeva, O. V., "The Hydrometeorological Service of Socialist Agriculture," No. 12, 1954. *
- Sapozhnikova, S. A., "Review of Pamphlets of the Struggle Against Unfavorable Climate Conditions," Vol. 44, No. 12, 1955. *
- Semevskiy, B. N., "Natural Sciences and Construction of USSR Deserts — Their Utilization and Classification," Vol. 28, No. 1, 1939. (AD-128304) *
- Shcherbakov, D. I., "In the Heart of the Arctic," Vol. 43, No. 11, 1954. *
- Shishkin, N. S., "Dimensions of Rain Drops," No. 10, 1954. *

PRIRODA (AKAD. NAU. SSSR) (Cont'd)

- Skuridin, G. A., and Kurnosova, L. V., "Scientific Research With Artificial Earth Satellites," No. 12, 1957. *
- Slesarevich, V. V., "About Showers in the Far East," Vol. 36, No. 2, 1947. (For sale by John Crerar Library.)
- Sochava, V. B., "Microrelief Forms in the Tundras of Priamur's," Vol. 33, Nos. 5/6, 1944. (ATI-110171) *
- Sokolov, S. S., "Decreasing Duration of Freeze-Up as Related to the Warming of the Climate," Vol. 44, No. 7, 1955. *
- Somov, M. M., "In the Antarctic Continent," No. 11, 1957. *
- Tsesevich, V. P., "On the Change of Brightness of the Second Artificial Satellite," No. 4, 1958. *
- Tverskoy, P. N., "The Current Status of the Theory of Thunderstorm Electricity," Vol. 43, No. 2, 1954. (For sale by Associated Technical Services.)
- Yampolskiy, A. D., "On a Certain Characteristic of Three Dimensional Wave Motion," Vol. 44, No. 5, 1955. (AD-74741) *
- Zubov, N. N., "Ice Islands and How they Drift;" "The Origin of the Floating Ice-Islands," by V. D. Dibner, Vol. 44, Nos. 2/3, 1955. (AD-87161) *

PRIRODA (Sofia)

- Kirov, K., and Borov, I., "Changes of the Climate at Dam (Bulgaria)," Vol. VI, No. 3, May-June 1957. *

PROBLEMY ARKTIKI

- Demenitskaia, R. M., "Perspectives of Seismographic Exploration by Means of Refraction Waves in Uts-Enisei Region," No. 5, 1939
- Isaev, S. I., "Diurnal Variations in Aurora Polaris Activity," No. 2, 1939.
- Isaev, S. I., "Special Features in the Development of Aurora in the Different Zones," Nos. 10/11, 1939. (AD-128315) *
- Kalitin, N. N., "Total Radiation in the Arctic," No. 1, 1940. *
- Kuperev, L. P., "Method of Short-Term Forecasting of Radio Conditions," No. 2, 1957. *
- Maksimov, I. V., "Determining the Relative Volume of the Annual Flow of Pacific Waters Into the Arctic Ocean Through Bering Strait," No. 2, 1945. (AD-116079) *
- Ostrekhin, M. Ye., "Recent Study and Exploration of the Central Arctic," No. 12, 1954. (AD-88229)

PROBLEMY ARKTIKI (Cont'd)

- Petrichenko, A. N., "Preliminary Data on the Drift of the 'Sedov' for the Years 1937 and 1938," No. 2, 1940. (AD-140055) *
- Shtokman, V. B., "The Water Masses of the Central Part of the Arctic Ocean," No. 2, 1943. (AD-36307) *
- Veinberg, K. B., "On the Problem of Sleds 'Freezing In'," No. 4, 1938. *
- Vize, V., "The Problem of Forecasting Ice Conditions," No. 1, 1937. *
- Zaborshchikov, F. Ya., and Fediakina, N. L., "Interrelations of Aurora, Radiowave Propagation, Magnetic and Ionospheric Disturbance," No. 2, 1957. *
- Zubov, and Somov, M. M., "The Ice Drift of the Central Part of the Polar Basin," No. 2, 1940.

PROBLEMY FIZICHESKOI GEOGRAFI

- Fedorovich, B. A., "The Relief of the Sands (Deserts) of Asia as an Expression of the Atmospheric Circulation Processes," Vol. 13, 1948.

PROCEEDINGS OF STATE HYDROLOGICAL INSTITUTE (See: TRUDY GOSUDARSTVENNOGO GIDROLOGICHESKOGO INSTITUTA)PRZEGŁAD METEOROLOGICZNY I HYDROLOGICZNY (Warsaw)

- Bac, Stanisław, "Meteorology and Agricultural Mellorations," No. 1, 1948.
- Bonlecka-Zolcik, Helena, "On the Cooling Effect Values in the Area of the Polish Seacoast," No. 4, 1957. *
- Debaki, Mazimierz, "Classification of Hydrology," Nos. 1/4, 1949.
- Guminski, R., "An Attempt at Establishing Agricultural-Climatic Regions in Poland," No. 1, April 1948.
- Kluznia, Sylvia, "On the Activities of the Synoptic Office in the Maritime Section of the State Hydrological and Meteorological Institute at Gdynia," No. 1, 1948.
- List of Contents and Abstracts, Vol. 8, No. 1, 1955. *
- Parczewski, Władysław, "A Sketch History of Meteorology in Poland (Between the 10th and 19th Centuries)," No. 1, 1948.
- Stenz, E., "The Development of Physics of the Atmosphere and of Meteorology During the First Decade of the Polish Peoples Republic," Vol VII, Nos. 1/2, 1954. *

PUBLICATIONS DU COMITÉ D'ÉTUDES HISTORIQUES ET SCIENTIFIQUE DE L'AFRIQUE
OCCIDENTALE FRANÇAISE

Weisse, L., and Barberon, J., "The Squall-Line of June 28-30, 1933, in West Africa," Ser. B, No. 3, 1937. (AD-141038) *

PUBLICATIONS SCIENTIFIQUES ET TECHNIQUES DE MINISTÈRE DE L'AIR

Agostini, L., and Bass, J., "The Theories of Turbulence," No. 237, 1950. *

Brian, Edmond, "Distribution of Temperatures Over an Airplane Wing with Reference to the Phenomena of Ice Formation," No. 119, 1938. (ATI-113111) *

Garrigue, H., "Investigations of the Radioactive Cloud," No. 228, 1949. (AD-74393) *

PUBLICACIONES, SERVICIO METEOROLOGICO NACIONAL (SPAIN), MEMORIAS

Barasoain, Jose, A., "The Sea of Clouds at Tenerife," Ser. A., No. 13, Madrid 1943. (ATI-27905) *

Barasoain, Jose A., and Castan, M., "The Standing Wave Updraft," Ser. A., No. 18, Madrid 1947.

QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY

Regener, V. H., "An Ultra-Violet Filter and Adjustable Transparency Limit," Supplement to Vol. 62, 1936. *

RADIO (Moscow)

Vakhnin, V., "Artificial Earth Satellites," No. 6, June 1957. *

RADIO UND FERNSEHEN

Beelitz, P., "The Operation of the Radiosonde Service of the DDR During the International Geophysical Year," No. 13, 1957. *

Gorsdorf, Marying, and Dankwart Obst, "Radio Theodolite for Upper Wing Measurements," No. 13, 1957. *

Huettmann, Erich, "Radio Bearing in Astronavigation and Meteorology," No. 13, 1957. *

Linke, Hans-Joachim, "Upper Wind Radar," No. 13, 1957. *

RADIOTEKHNIKA I ELEKTRONIKA

Kazantsev, A. N., et al., "Absorption of Radiowaves in the Ionosphere According to Radio Observations of Artificial Earth Satellite," Vol. III. No. 9, Sept. 1958. *

Paramonov, A. A., "Influence of Precipitation on the Electrical Properties of Wire Mesh Surfaces," Vol. XI, No. 9, 1956.

RADIOTEKHNIKA I ELEKTRONIKA (Cont'd)

Troitskiy, V. N., "Ultra-Shortwave Propagation at Long Distances Beyond the Limits of the Horizon," Vol. XI, No. 5, 1956. (For sale by Morris D. Friedman.)

Vvedenskiy, B. A., and Arenberg, A. G., "Distant Ultra-Shortwave Tropospheric Propagation," Vol. XII, No. 1, 1957. (AD-133718) *

Vvedenskiy, B. A., and Arenberg, A. G., "Distant Ultra-Shortwave Tropospheric Propagation," Vol. XII, No. 2, 1957. (AD-133724) *

RECORDS OF FAR EASTERN GEOPHYSICAL INSTITUTE

Koloskov, P. I., "A Climatic Sketch of Kamchatka Peninsular," No. 11, 1932. (ATI-113178) *

RECUEILLE DE GEOPHYSIQUE (See: GEOMIZICHESKII SBORNIK)REVUE DES EAUX ET FORÊTS

Harle, P., "Forests and Snow," Ser. VIII, Vol. 71, No. 4, April 1933.

RIVISTA DI METEOROLOGIA AERONAUTICA

Fedele, D., and Vittori, A. O., "Detection of Atmospheric Chloride Particles by a Photo-chemically Sensitized Leisegang Reaction," Vol. 13, No. 4, 1953. (AD-70418) *

Vittori, A. O., "Detection of the Chemical Nature of Condensation and Artificial Sublimation Nuclei," Vol. 14, No. 2, 1954. (AD-70419) *

SCHRIFTEN DER DEUTSCHE AKADEMIE DER LUFTFAHRTFORSCHUNG

Dieckman, Max, "Radio Technical and Atmospheric-Electric Problems of Stratosphere Research," No. 46, 1939-40. (ATI-27588) *

Georgii, Walter, "Aeronautical Meteorology of High Altitudes," No. 1014-40, 1940. (ATI-25522) *

Nagel, "Additional Tests on Artificial Dissipation of Radiation Fogs for De-fogging of Landing Strips," FB 1394, 4 May 1941. (ATI-25347) *

Rau, Walter, "Freezing of Water at Low Temperatures," Vol. 8, No. 2, 1944. (ATI-43337) *

Regener, E., "Atmospheric Turbulence and the Ozone Layer," Vol. 2, No. 3, March 1943. (ATI-32053) *

Regener, E., "The Structure and Composition of the Stratosphere," No. 1014-40, 1940.

Weickmann, Ludwig, "Facts Established Through Meteorological Research of the Stratosphere," No. 1015-40, 1940. (ATI-9874) *

Weighardt, K., "Hot-Air Discharge for De-Icing," FB 1200, 26 May 1943 (ATI-24536) *

SCHWEIZERISCHE BAUZEITUNG (Zürich)

Ley, W., "Meteorological High Altitude Rockets," March 1939. (ATT-141041) *

SCIENTIA SINICA

[Anon]: Extract from "Meteorological Research in Communist China," Vol. III, No. 2, February 1958. *

Ku Chen-Ch'ao, "The Experienced Gained in the Compilation of Forecasts of Summer Rains for the Territory of China for the Natural Synoptic Periods," Vol. IV, No. 2, June 1955. *

SEPPYO

Amano, Ichiro, "On the Compressibility of Snow," 1942, Vol. 4. *

Hirata, Tokutaro, "On the Subsidence of Snow and the Bending of Iron Bars in the Snow Cover," 1941, Vol. 3. (AD-70470) *

Hiroshi, Iwai, and Yosida, Zyungo, "Thermal Conductivity of Ground Snow," 1946, Vol. 8. (AD-70465) *

Kiyoshi, Kudo, and Oda Toshio, "The Properties of Snow and Its Density," 1941, Vol. 3. (AD-70497) *

Kiyoshi, Kudo, "Brightness Within the Snow Cover," 1941, Vol. 3. *

Kiyoshi, Kudo, and Takahashi, Toshiro, "Hardness Test of Snow," 1941, Vol. 3. *

Kurodo, Masao, "On the Resistance of Sledge," 2nd Report, 1942, Vol. 4. (AD-70469) *

Mimuro, Yoshio, and Tajima, Setsuo, "On the Melting of Snow Cover," 1941, Vol. 3. (AD-70491) *

Murakami, Masatsugu, "Freezing of the Songhali River, Manchuria," 1941, Vol. 3. (AD-70468) *

Nagasawa, Makoto, "Compaction of Snow by Static and Kinetic Loads," 1943, Vol. 5. (AD-76727) *

Sakurida, Shunsuke, "Creeping of Snow Cover on a Slope," 1941, Vol. 3. *

Shimada, Hachiro, "Electric Resistance of Snow," 1941, Vol. 3. *

Shimada, Hachiro, "Miscellaneous Tests of Snow Properties," 1941, Vol. 4. *

Suga, Taro, "Studies on the Reflection of Light from the Snow Surface," 1941, Vol. 3. (AD-70499) * (See also AD-3886) *

Takahashi, T., "Studies on Snow Cover," 1941, Vol. 3.

Takshi, Koichiro, "On the Principle of Similitude in the Dynamics of Snow," 1941, Vol. 3. *

April 1959

AWS Bibl 15

SEPTYO (Cont'd)

Yoshinobu, Inaho, "On the Kinetic Friction of Snow," 1941, Vol. 3.

Yoshinobu, Inaho, "On the Hardness of Snow," 1941, Vol. 3.

SITZUNGSBERICHTE DER KAIS. AKD. D. WISS IN WIEN, MATH-NATURW., KLASS (See: AKADEMIE DER WISSENSCHAFTEN IN WIEN)

SITZUNGSBERICHTE DER KLG. PREUSSISCHEN AKADEMIE DER WISSENSCHAFTEN
PHYSIKALISCHE MATHEMATISCHE KLASS (See: PREUSSISCHEN AKADEMIE)

SKIZEN (Japan)

Anon: "Observation in Japan on Radioactive Contamination of the Stratosphere," August 1957. *

Sarubashi, Katsuko, "Findings Regarding Lethal Ashes From Christmas Island," August 1957. *

Takada, Teiji, "Report 'GUGO' Japanese Balloon Bomb," Vol. 6, No. 1, January 1951. *

SKOGEN (Sweden)

Rystedt, G., "Weather Forecasts for Slash-Burning," Vol. 39, No. 6, 1952. (For sale by John Cramer Library.)

SMENA

Vodop'yanov, M., "The Center of the Arctic," No. 12, 1954. *

SOCIETAS SCIENTIARUM FENNICA, COMMENTATIONES PHYSICO-MATHEMATICAE

Palmen, E., "Registering-Balloon Ascents in a Deep Cyclone," Vol. 8, No. 3, 1935. (ATI-27604) *

SOVETSKAYA ARKTIKA

Lappo, S. D., "Let's Do a Better Job of Ice-Forecasting," 1938, No. 2. *

SOVETSKAYA AVIATSIYA

Anon: "Aerial Radiation Reconnaissance," No. 111, 12 May 1957. *

Docent, "About Encounters With Electric Storms and Hail During Flights at High Altitudes," 29 July 1958. *

SOVETSKAYA AVIATSIYA (Cont'd)

Eogan-Beletskii, G., (Extended Summary:) "High Altitude Flights Under the Conditions of Thunderstorm Activity," No. 175, 26 July 1957. *

Malyutkin, K., "How the Earth Satellite's Orbit Changes," No. 254, 26 October 1957.

Pokrovskiy, G. I., "Atmosphere as a Source of Energy," No. 224, 21 September 1957. *

Sadovskii, S., "The Obsolete Regulations of the Weather Service Must be Re-examined," 19 July 1957. *

Selected Articles 4 January 1957 - 5 June 1957. (AD-147016) * Contents:

"Flights in the Cloud of an Atomic Explosion, Nuclear Weapons and Aviation," by N. Litvinenko.

"At Night Under Complex Meteorological Conditions," by V. Sivtsov.

Selected Articles 13-31 July 1957 (1958). (AD-153396) Contents:

"Piloting of Aircraft With Aid of Electronic Machines," by V. Plisko.

"Cosmic Flights," by G. Pokrovskiy.

"In-Flight Refueling of Aircraft," by N. Mekonoshin.

"Television From the Earth's Satellite," by N. A. Varvarov.

"The Effect of Light (Luminous) Radiation of an Atomic Explosion on Aviation Equipment and Airfield Installations," by A. Pavlov.

"New Method of Increasing the Range of Radio Communication," by V. Kuznetsov.

"Aerial Radar Reconnaissance," by A. Lisenko.

Shtal', V., and Morachevskiy, V., Summary: "Weather Control by Man," of the article 'Is It Possible to Influence the Weather?' No. 33, 8 February 1958. *

Shvidkovskii, Ye. G., "Meteorological Rockets," No. 88, 1958.

Shvidkovskii, Ye. G., "Meteorological Rockets Launched in Connection With International Geophysical Year: A Rocket Flies Into the Stratosphere," 13 April 1958. *

Sokolov, V., "Weather Observation by Radar," No. 274, 22 November 1958. *

SOVETSKII FLOT

Badalin, P., "Meteorological Support for Flights During Inclement Weather," No. 36, 1957. *

Badalin, P., "Utilization of Air Currents in Flight," 1 February 1958. *

April 1959

AWS Bibl 15

SOVETSKAIA AZIA

Sumgin, M. I., "The Fundamental Problems of Permafrost and Means to Their Solutions," 1941, Nov. 3/4.

SOVETSKAIA LATVIA

[Anon]: "A Trip of Scientists of the Drifting Stations in the Arctic," Col. 3/4, p. 2, July 30, 1954. *

SOVETSKIY SOYUZ

Gollishev, G., "Soviet Type High Altitude Rocket," No. 8, 1957. *

SOVETSKA VEDA, MATEMATICHESKOI FIZICHESKOI ASTRONOMICHESKOI

Fesenkov, V. G., "The Question of the Existence of Vegetation on Mars," Vol. IV, No. 3, 1954.

STROITEL'NAIA PROMYSHLENNOST

Gal'perin, M. I., et al., "Excavation of Frozen Ground," Vol. 32, No. 10, 1954. (AD-88294) *

SVENSKA VAGFOVENING, TIDSKRIFT

Persson, Bengt O. E., "Investigation of Construction and Maintenance of Airdromes on Ice 1953-54; Durability and Bearing Capacity of an Ice Layer," Vol. 35, December 1948 (AD-42748) *

Wolff, A., "Investigation of Construction and Maintenance of Airdromes on Ice 1953-1954; Winter Roads on Ice," Vol. 27, 1940. (AD-40516) *

TAEGELICHE RUNDSCHAU

Kushinskiy, B., "The Physics of the Rain Cloud," 30 April 1955. *

TAGLICHER WETTERBERICHT (BAD NISSINGEN)

Bartsch, J., "On the Improvements of the Comparableness of Results of Aerological Measurements," 5 September 1952. *

Scherhag, R., "Proof of the Influence of the Sun Eruptions on Stratospheric Weather," on the back of No. 74, 14 March 1952. (ATI-164767) *

TECHNICAL RESEARCH INSTITUTE, JAPANESE DEFENSE AGENCY REPORTS

Suzuki, Tatsusaburo, et al., "Research on the Absorption of Radioactive Rays by Snow," Report #402, 1 March 1957. *

TECHNISCHE MITTEILUNGEN DES INSTRUMENTENWESENS DES DEUTSCHE
WETTERDIENSTES

Olbers, W. von "Basic Principles Underlying the Objective Measurement of Cloud Heights,"
No. 1, 1955. (AD-77890) *

TEION-KAGAKU

Fukutomi, Takaharu, and Kusunoki, Kou, "On the Form and Formation of Hummocky Ice
Ranges," (Study of Sea Ice, 15th Report) Vol. 8, 1951. *

Fukutomi, Takaharu and Kusunoki, Kou, "Temperature Distribution in Fresh Water Ice-Plate
With Cyclic Variation of Atmospheric Temperature," (Sea Ice Studies No. 7), Series
3, 1947. *

Fukutomi, Takaharu, et al., "Some Measurements of the Wind-Pressure Drift of Sea Ice,"
(Study of Sea-Ice, 12th Report) Vol. 6, 1951. *

Fukutomi, Takaharu, "A Theoretical Study on the Steady Drift of Ice Due to Wind in the Sea
of Small Ice-Amount," (Study of Sea-Ice 13th Report) Vol. 7, 1951. *

Fukutomi, Takaharu, et al., "A Study of Sea Ice," (15th Report) Vol. 9, 1952. *

Fukutomi, Takaharu, "Study of Sea Ice," (17th Report) Vol. 9, 1952. *

Fukutomi, Takaharu, "Drift of Sea Ice Due to Wind in the Southern Part of the Sea of Okhotsk,"
(Study of Sea-Ice, 18th Report), Vol. 9, 1953. *

Fukutomi, Takaharu, "The Relation Between the First Day of Freezing and the Air
Temperature," (Study of Sea-Ice, 19th Report), Vol. XI, 1953. *

Fukutomi, Takaharu, "Study of Sea Ice," (20th Report), Vol. XI, 1953. *

Fukutomi, Takaharu, "Survey of Sea Ice in the Okhotsk Sea Coast of Hokkaido," (Study of Sea-
Ice, 21st Report), Ser. A (Physical Sciences), Vol. 13, 1954. *

Hori, T., "On the Supercooling and Evaporation of Thin Water Films," Ser. A, Vol. 15,
1956.

Ishida, T., and Shimizu, H., "Resistance of Air Flow Through Snow Layers," Part I, Ser.
A, Vol. 14, 1955. *

Kojima, Kenji, "Change in the Shape of Snow Crystals," Part II, Vol. 9, 1953. *

Kuroiwa, Daisuke, "Electron-Microscope Study of Fog Nuclei," Vol. 10, 1952. *

Kuroiwa, Daisuke, "Growth of Snow Crystals in a Supercooled Cloud," Vol. 14, No. 1,
1955. *

Kusunoki, Hiroshi, "Summary of Sea Ice Research in Japan," Vol. 12, 1954. *

Nakaya, Ukichiro, and Sugaya, Juji, "Permafrost Surveying (Manchuria, 1943)," No. 2,
1949. (AD-7676) *

Oura, Hirobumi, "Sound Velocity in Cover Snow," Vol. 9, 1952. *

TEION-KAGAKU (Cont'd)

Yosida, Z., "Quantitative Study on the Metamorphism of a Snow Crystal by Sublimation,"
Ser. A, Vol. 15, 1954. * (AD-214673)

TEKNILLINEN AIKAKAUSLEHTI

Vaisala, V., "Finnish Radiotheodolite and Phase Angle Comparator," No. 11, June 1953. *

TELLUS

Simila, A., "The Aerological Thunderstorm-Tendency Chart," Vol. 1, No. 4, 1949. *

TENKI

[Japan]: Effect of Atomic and Hydrogen Bomb Test Upon Meteorology and Oceanography,"
Vol. 3, No. 4, April 1956. *

TI-LI YU CHAN'YEH

Ch'en Cheng-Esiang, Huang Chung-Hui, "The Climatic Classification and Climatic Regions of
China," Vol. 2, No. 1, July 1957. *

TRANSACTIONS OF THE ARCTIC INSTITUTE FOR SCIENTIFIC RESEARCH (See: TRUDY
ARKTICHESKOGO NAUCHNO-ISSLEDOVATEL'SKOGO INSTITUTA)

TRANSACTIONS OF CHALMERS UNIVERSITY OF TECHNOLOGY (Gothenburg, Sweden)

Stormer, Carl, "Some Results and Observations of the Photographic Measurements of the
Aurorae Boreales in Meridional Norway Since 1911," No. 90, 1949.

TRUDY ARKTIKESKOGO NAUCHNO-ISSLEDOVATEL'SKOGO INSTITUTA

[Anon]: "The Climate of Vagach Island and Yugorski Shar," Vol. 72, 1937. *

Arnold-Alyabev, V. I., "Thickness of Kara Sea Ice, Its Structure and Porosity According to
Data Collected by the Expedition of the Ice-Going Steamer 'Malygin' in 1934," Vol. 110,
1938. (ATI-113102) *

Besprozvannaya, A. S., and Lovcova, V. A., "State of the Ionosphere in the High Latitudes,
According to Observational Data for Tiksy Bay," 1956. *

Gomolunov, K., "Data About Ice-Conditions at the Shores of the Soviet Arctic (Winter season
of 1933-1934)," Vol. 16, 1936. *

Ivanov, V. K., and Leonty'eva, E. A., "Climatic Characteristics of the Ob-Yenisey Region
(Western Siberia)," Vol. 133, 1939.

TRUDY ARKTYCHESKOGO NAUCHNO-ISSLEDOVATEL'SKOGO INSTITUTA (Cont'd)

- Koslov, M. P., "Materials on the Climatology of the Polar Districts of USSR, Part 7 - Fogs Along the Northern Sea Route," Vol. 199, 1947.
- Moskatov, K. A., "Airplane Landings on Ice," Vol. 110, 1938. (ATI-23454) *
- Nazarov, V. S., "Contribution to the Study of the Properties of Sea Ice," Vol. 110, Part 1, Art. 8, 1938. (ATI-113175) *
- Prik, Z. M., "Climatic Outline of the Kara Sea," Vol. 187, 1948. (ATI-120300) *
- Rizantseva, Z. A., "Materials on the Climatology of the Polar Districts of the USSR, Part 6 - Climate of the New Siberian Islands and the Delta of the Lena River," Vol. 102, 1937.
- Schoenman, S. M., "Stationary Temperature Field Around a Regular Hexagonal Prism of Infinite Length Immersed in an Unlimited Homogeneous Medium," Vol. 110, Part 1, Art. 3, 1938. (ATI-110459) *
- Shepelevsky, A. A., "The Distribution and Gradual Change of Density in Snow Cover," Vol. 110, Part 1, Art. 2, 1938. (ATI-112165) *
- Tikhomirov, E. I., "Climatological Handbook Dealing With the Soviet Sector of the Arctic," Vol. 150, 1940. (ATI-145536) *
- Vinokuro, G. A., "Notes on Spontaneous Crystallization of Water," Vol. 110, Part 1, Art. 4, 1938. *
- Vitman, F. F., and Shandrikov, N. P., "A Study of the Mechanical Strength of Ice," Vol. 110, Part 1, Art. 7, 1938. *
- Weinberg, B. P., "Ice and Snow Regelation," Vol. 110, Part 1, Art. 1, 1938. (ATI-110458) *

TRUDY GEOFIZICHESKOGO INSTITUTA, SBORNIK STATEY I DOKLADOV (Moscow)

- Feygel'son, Ye. M., "Absorption of Solar Energy in the Atmosphere in the Presence of Clouds," No. 23, 1954. *
- Feygel'son, Ye. M., "Calculation of the Water Content of Clouds From Their Scattering Characteristics," No. 23, 1954. *
- Gotsadze, O. D., et al., "Investigation of the Mechanism of Earthquakes," Vol. 40, No. 166, 1947. *
- Kuznetsov, E. S., and Ovchinskiy, B. V., "Results of the Numerical Solution of Integral Equation of the Theory of Light Scattering in the Atmosphere," No. 4, 1949. *
- Malkevich, M. S., "On the Problem of the Protection of Plants From Frosts With Smoke Screens," No. 23, 1954. *
- Obukhov, A. M., "Statistical Description of Continuous Fields," Vol. 24, No. 151, 1954. * (Available in Library of Congress.)

TRUDY GEOGRAFICHESKOGO INSTITUTA

Galakov, N. N., "Climate of the Middle Angar Region and the Upper Lena Basin," No. 64, 1955. *

TRUDY GLAVNOI GEOFIZICHESKOI OBSERVATORII (imeni A. I. Voyeykova) (Moskva)

Bashkistrova, G. M., and Pershina, T. A., "Some Data From Observations of the Shapes of Snowflakes," Vol. 57, No. 119, 1956. (For sale by Associated Technical Services.)

Chestnaya, I. I., "Fluctuations of the Lower Limit of Stratus Clouds," Vol. 54, 1955. *

Dvali, Ye. R., "The Electrical Field of the Atmosphere During Precipitation," Vol. 58, No. 120, 1956. *

Imyanitov, I. M., "Methods of Measuring the Gradient of Conductivity and Ion Concentration of the Atmosphere," Vol. 58, No. 120, 1956. *

Isayev, E. A., "Succession of Synoptic Processes Investigated in the USSR," Vol. 65, 1956. *

Khimach, M. A., "The Precipitation of Ice From Supercooled Clouds and Fog," Vol. 57, No. 119, 1956. (For sale by Associated Technical Services.)

Kiryukhin, B. V., and Pevzner, S. I., "The Freezing Temperature of Water Drops and Salt Solutions Suspended in Oil," Vol. 57, No. 119, 1956. (For sale by Associated Technical Services.)

Kolokolov, V. P., and Ogorodnov, D. Ye., "The Use of a Field-Intensity Instrument for Measuring the Electric Current of Precipitates," Vol. 58, No. 120, 1956. *

Krasikov, P. N., and Chikirova, G. A., "The Microphysical Characteristics of Local Fogs," Vol. 57, No. 119, 1956. (For sale by Associated Technical Services.)

Ledekhovich, A. A., and Zaytsev, V. A., "Remote Measurement of Air Temperature and Humidity (From Airplanes)," Vol. 63, No. 125, 1956. *

Loch, B. F., "Experimental Observations on the Number of Storm Discharges," Vol. 58, No. 120, 1956. *

Loch, B. F., "Narrow-Sector Recording of Atmospherics," Vol. 58, No. 120, 1956. *

Muchnik, V. M., "Electrification in the Collision of Balls and Drops in an Electrical Field," Vol. 35, No. 97, 1952. *

Muchnik, V. M., "On Possible Electrification Mechanism of Hydrometeors in Cumulus Rain Clouds," Vol. 58, No. 120, 1956. *

Nechaev, I. N., "Methods of Temperature Observations on a Snow Surface," Vol. 25, No. 87, 1951. (AD-35123) *

Nikandrov, V. Ya., "The Interaction Between Supercooled Water Drops and Solid Particles," Vol. 57, No. 119, 1956. *

Pokrovskaya, T. V., "Air Temperature Anomalies in the Eurasian Continent in January," Vol. 65, 1956. *

TRUDY GLAVNOI GEOFIZICHESKOI OBSERVATORII (imeni A. I. Veyeykova) (Cont'd)

- Reynet, Ya. Yu., "A Combination Meter for Atmospheric Lens," Vol. 58, No. 120, 1956. *
- Shishkin, N. S., "Investigation of Clouds Yielding Precipitation in the Form of Snow," Vol. 57, No. 119, 1956. (For sale by Associated Technical Services.)
- Shishkin, N. S., "Some Results of Research on Thunderclouds and Cloudburst," Vol. 63, No. 125, 1956. *
- Shishkin, N. S., "Effect of Size Distribution of Cloud Particles on the Size of Raindrops," Vol. 54, 1955. (For sale by Associated Technical Services.)
- Shishkin, N. S., "Using the Layer Method for Forecasting the Vertical Force of Convective Clouds," Vol. 54, 1955. *
- Solov'yev, V. A., "On the Method of Measuring the Charges and Sizes of Cloud (Fog) Droplets," Vol. 58, No. 120, 1956. *
- Vital's, I. A., "Correlation of Atmospheric Fluctuations With 11-Year Solar Cycle," Vol. 65, 1956.
- Vorontsov, P. A., "Aerological Investigation of Inversions Near the Ground," Vol. 63, No. 125, 1956. *
- Vorontsov, P. A., "Dependence of Air Flow Structure on the State of the Atmosphere," Vol. 63, No. 125, 1956. *
- Vorontsov, P. A., "Profiles of Basic Meteorological Elements in the Boundary Layer of the Atmosphere," Vol. 63, No. 125, 1956. *
- Vorontsov, P. A., "Values of the Vertical Temperature Gradient in the Boundary Layer of the Atmosphere Above Various Underlying Surfaces," Vol. 63, No. 125, 1956. *
- Yegorova, V. I., "Determination of Limits and Characteristics of Natural Synoptic Seasons," Vol. 65, 1956. *
- Yudin, M. I., and Shvets, M. E., "Steady Model of the Variations of Wind With Height in a Turbulent Atmosphere," Vol. 31, No. 3, 1950.
- Zgurko, V. B., "Succession of Synoptic Processes Leading to Sharp Temperature Drops in the USSR," Vol. 65, 1956. *

TRUDY GOSUDARSTVENNOGO GIDROLOGICHESKOGO INSTITUTA (Leningard)

- Makkeveeva, V. M., "Growth and Decay of Short Waves and the Effect of Fetch Upon Their Height," No. 5, 1937. (ATI-120790) *
- Spengler, O. A., "Method of Forecasting Spring Floods of Volga River Near Yaroslavl," No. 20, 1940. *
- Yangenheim, G. Ya., "Long Range Forecast of Air Temperature and the Opening of Rivers," No. 20, 1940. *

TRUDY GOSUDARSTVENNOGO GIDROLOGICHESKOGO INSTITUTA (Leningard) (Cont'd)

Voronkov, and Alekin, "On the Significance of Hydrochemistry for Hydrology and Problems of Hydrochemical Laboratory of GGI," No. 1, 1938.

TRUDY GOSUDARSTVENNOGO OKEANOLOGICHESKOGO INSTITUTA (Moscow)

Ivanov-Framishevich, G. A., "Vertical Stability of Water Layers as an Important Oceanological Characteristic," Vol. 7, 1953. *

List of Contents and Abstracts, Vol. VIII, Vol. IX, 1954. *

Ponomarenko, G. P., "On the Formula of the Negative Heat Exchange Between Air and Water," Vol. 2, 1948.

TRUDY INSTITUTA MATEMATICHESKAIA I MEKHANIKA AKADEMIIA NAUK UZBEK SSR

Bugayev, V. A., and Chernysheva, O. N., "Thermobaric Field of the Troposphere Above Moving Anticyclones," No. 12, 1953. *

TRUDY INSTITUTA MERZLOYOVEDENIA IM. V. A. OBRUCHEVA, AKADEMIIA NAUK SSSR

Fedorov, A. E., "Prognosis of the Settling of Buildings Caused by Thawing of the Ground Under Their Foundations," Vol. 4, 1944.

Redozubov, D. V., "Thermal Field Laws of the Permafrost in the Vorkuta Region," Vol. 1, 1946. *

Sumgin, M. T., and Petrovskii, A. A., "The Importance of Electrical Methods for the Study of Permanently Frozen Grounds," Vol. 5, 1947. (AD-5271) *

TRUDY MORSKOGO GIDROFIZICHESKOGO INSTITUTA

Kononkova, G. E., "Origination of Wind Waves on Water Surface," Vol. 3, 1953.

Shuleikin, V. V., "Theory of Sea Waves," Vol. 9, 1956. *

TRUDY NAUCHNO-ISSLEDOVATEL'SKOGO INSTITUTA GIDROMETEOROLOGICHESKOGO PRIBOROSTROYENIYE

Nepomnyashchii, S. I., "Calculation of a Thermobimetal for Aerological Instruments," No. 3, 1953. *

Usoltsev, V. A., and Manuylov, K. N., Abstract: "Basic Characteristics of Radiosonde A-22-III," No. 5, 1957. *

TRUDY NAUCHNO-ISSLEDOVATEL'SKOGO INSTITUTA ZEMNOGO MAGNETIZMA IONOSFERY I RASPROSTRANIYA RADIOVOLN (Leningard)

Ben'kova, N. P., Abstract: "The Daily Variations of Short-Period Perturbations of the Earth's Electromagnetic Field," Vol. 12, No. 22, 1957. *

TRUDY NAUCHNO-ISSLEDOVATEL'SKIK UCEREZHDIENIL, USSR GLAVNOI UPRAVLENIE
GIDROMETEOROLOGICHESKOI SLUZHBY

Seria 1. Meteorologia

Kibel, I. A., "Direction for Prognostic Calculation of Pressure," 1944.
(ATI-137090) *

Lyapin, Ye. S., "A Study of the Turbulence Coefficient of Air by Means of
Experimental Smoke Ejectors," No. 34, 1946. *

Seria 2. Sinopticheskaya Meteorologia

Bachurina, A. A., "Instructions for the Application of the Method of I. A. Kibel in
Synoptic Practice," No. 4, 1943. (ATI-27889) *

Seria 4. Gidrometeorizdat

Bergman, G. R., and Proskuriakov, B. V., "Investigation of Construction and
Maintenance of Airdromes on Ice 1953-54; Excerpts from: 'Ice Crossings'," 1943.
(AD-102282) *

Seria 5. Gidrologiya Moria

Lagutin, B. L., "Data on the Problem of Ice Crossings," No. 20, 1946. (AD-73127) *

Lagutin, B. L., and Shul'man, A. P., "Methods of Calculating the Load Carrying
Capacity of Ice Crossing," No. 20, 1946. (AD-73127) *

Neronov, Yu. N., "The Problem of the Value of Temporary Resistance of Thawing
Spring Ice to Bending," No. 20, 1946. (AD-73127) *

Shul'man, A. P., "On the Problem of Computing the Load Carrying Capacity of Ice
Covers," No. 20, 1946. (AD-73127) *

Shul'man, A. P., "Calculation of the Load Carrying Capacity of Ice Crossings on
the Basis of the Theory of Central Flexure of an Elastic Plate Placed on an Elastic
Foundation," (AD-73127) *

Shul'man, A. P., and Kazanskii, M. M., "The Theoretical and Experimental Basis
for the Tables of Load Carrying Capacity of Ice Covers." (AD-73127) *

Zvolinskii, N. V., "On the Problem of Deformation of Floating Ice Layers."
(AD-73127) *

TRUDY SEL'SNO-KHNOZYAKISTVENNOI METEOROLOGIA

Vorobiev, S. O., "Black Storms in the Ukraine," Vol. 21, No. 7, 1930. (AD-2194) *

Voznesensky, A. V., "Climate Map of the USSR," Vol. 21, No. 1, 1930. (AD-2189) *

Voznesensky, A. V., "On the Dust Storm of Apr 26-27, 1928," Vol. 21, No. 8, 1930
(AD-2195) *

TRUDY STALINABADSKOI ASTRONOMICHESKOI OBSERVATORII

- Deminev, O. V., "Some Results of the Study of Silvery Clouds," Vol. IV, 1954. (AD-111051) *
- Grishin, N. I., "Meteorologic Conditions in the Appearance of Silvery Clouds," Vol. IV, 1954. (AD-111051) *

TRUDY TSENTRAL'NOI AEROLOGICHESKOI OBSERVATORII (Moscow)

- Bergun, K. I., "Determination of the Altitude of Clouds From an Airplane," No. 12, 1953. *
- Britayev, A. S., "Non-Stationary Field of Liquid Drop," No. 17, 1956. *
- Fedorova, A. A., "The Influence of Terrain Relief on the Frequency of Shower Centers as Indicated by the Data of Radar Stations," No. 17, 1956. (For sale by Associated Technical Services.)
- Gaygerov, S. S., and Kastrov, V. G., "Results of Scientific Observations in the Prolonged Flight of a Free Aerostat, 25-28 October 1950," No. 10, 1953. *
- Khanevskaya, I. V., "Stability in Space of Vertical Air Movements Measured by the Radiosonde," No. 10, 1953. *
- Khanevskaya, I. V., and Fokina, V. L., "Influence of Errors in the Determination of the Vertical Velocity on the Radiosonde in the Lower Layer of the Atmosphere Upon the Accuracy of the Vertical Air Movements Measured by the Radiosonde," No. 10, 1953. *
- Khrgian, A. Kh., and Mazin, I. P., "Computation of the Errors in the Aircraft Collector of Drops," No. 12, 1953. *
- Khrgian, A. Kh., "Some Data on the Microstructure of Clouds," No. 7, 1952. *
- Khrgian, A. Kh., and Mazin, I. P., "Distribution of Drops According to Size in Clouds," No. 7, 1952. *
- Khrgian, A. Kh., and Mazin, I. P., "Analysis of Methods of Characterizing Rain Drop Distribution Spectra," No. 17, 1956. (For sale by Associated Technical Services.)
- Mazin, I. P., "Calculation of the Deposition of Drops on Circular Cylindrical Surfaces," No. 7, 1952.
- Pinus, N. E., "Measurement of the Temperature of the Air in Clouds from Airplanes," No. 12, 1953. *
- Reshchikova, A. A., and Tonkova, Z. V., "Connection Between the Height of a Cloud's Lower Limit and the Visibility Range," No. 7, 1952. *
- Zak, Ye. G., and Berovikov, A. M., "Problem of the Evolution of the Spatial Structure and Phasal State of Frontal Clouds," No. 7, 1952. *
- Zak, Ye. G., and Marfenko, O. V., "Structure of the Lower Limit of Cloud Cover," No. 7, 1952. *
- Zaychikov, P. F., "Problem of Measuring the Vertical Movements of Air in a Free Atmosphere by Means of a Comb-Type Radiosonde," No. 10, 1953. *

TRUDY TSENTRAL'INSTITUTA PROGNOZOV (Moscow)

Kashin, K. I., "Twenty Years of the Central Institute of Forecasts," No. 55, 1957. *

Khrabrov, Yu. B., "Twenty Years of Operative Work in the Field of Weather Forecasting by Central Institute of Forecasts," No. 55, 1957. *

Mashkovich, S. A., "Calculating the Effect of Nonlinear Terms of Equations in the Solution of Problems on the Short-Range Forecast of Pressure and Temperature," No. 60, 1957. *

Pchelko, I. G., "Twenty Years of Scientific Research Work of the Institute in the Field of Exploration of Methods of Short-and Long-Range Weather Forecasting," No. 55, 1957. *

TRUDY VTOROGO VSESOYUZNOGO GEOGRAFICHESKOGO S'YEZDA

Brudevich, S. V., and Ye. G. Vinogradova, "Sediment Formation With Regard to Distribution of Carbonates, Iron, Manganese, and Phosphorus in the Caspian Sea Deposits," Vol. II, 1948. *

Bydin, F. I., "Rainfall as a Hydrological Characteristic in Its Application to the Caspian Sea," Vol II, 1948. *

Timofeev, V. T., "The Water Masses of the Central Zone of the Arctic Ocean," Vol. II, 1948. (AD-135103) *

Zaykov, B. D., "Works Relating to the Level of the Caspian Sea," Vol. II, 1948. *

UCHENYE ZAPISKI LENINGRADSKOGO GOSUDARSTVENNOGO UNIVERSITETA, SER. FIZ. NAUK

Millin, V. B., and Tverskoy, P. N., "The Study of the Ion Recombination Constant in Turbulent Atmosphere," No. 210, 1956. *

Millin, V. B., and Tverskoy, P. N., "Distribution of Space Charge Concentration in the Next-to-the-Earth Layer in the Free Atmosphere," No. 219, 1956.

Tverskoi, P. N., "Unsolved Problems of Physics of the Clouds and Precipitation," Vol. 1, 1947. (AD-2185) *

UCHENYE ZAPISKI SGU

Astapovich, I. S., "Meteoric Methods of Studying the Stratosphere," Vol. XV, 1940. *

UCHENYE ZAPISKI L'VOV GOSUDARSTVENNOGO UNIVERSITETA, GEOGRAFICHESKII SBORNIK

Andrianov, M. S., "Circulation Factors of Climate in the Western Regions of the Ukrainian SSR, 2 Vol. 18, No. 1, 1951. *

UCHENYE ZAPISKI MINSK GOSUDARSTVENNOGO UNIVERSITETA (imeni A. M. Gorkogo),
SER. FIZ-MAT.

Arabadzhi, V. I., "Theory of a Lightning Rod," No. 6, 1956. *

Arabadzhi, V. I., "The Theory of Atmospheric Electricity Phenomena," No. 5, 1957.
(For sale by Associated Technical Services.)

Arabadzhi, V. I., "Some Characteristics of the Electrical State of Thunderclouds and
Thunderstorm Activity," No. 7, 1957. (For sale by Associated Technical Services.)

USPEKHI ASTRONOMICHESEKIKH NAUK SSSR

Fesenkov, V. G., "Brigntness of the Night Sky," Vol. III, No. 2, 1947. (AD-128316) *

USPYEKHI FIZICHESKIKH NAUK (AKADEMI NAUK SSSR)

Al'pert, Ia. L., "Certain Questions of the Physics of the Ionosphere," Vol. 61, No. 3, 1957.
(AD-133748) *

Al'pert, Ia. L., "On the Method of Investigating the Ionosphere by Using an Artificial
Satellite of the Earth," Vol. 64, No. 1, 1958. (AD-152412) *

Danilin, B. S., et al., "Problem of the Measurement of Pressure and Density of the Upper
Layers of the Atmosphere With the Aid of an Artificial Earth Satellite," Vol. 63,
No. 1, Sept. 1957. *

Eidous, L., "Properties of Nuclearly Active Particles in Atmospheric Torrents of Cosmic
Rays - Progresses in Physical Sciences," Vol. 44, No. 4, 1951. (ATI-132088) *

Khvostikov, I. A., "Sodium in the Stratosphere," Vol. 30, No. 3, 1946. (AD-111042) *

Khvostikov, I. A., "The Luminescence of Sodium in the Troposphere," Vol. 36, No. 3,
1948. (AD-111043) *

Krasovskii, V. I., et al., "The Study of the Corpuscular Radiation of the Sun With the Aid
of an Artificial Satellite of the Earth," Vol. 64, No. 3, 1958. *

Rozenberg, G., "Radar Observations of Clouds and of Rain," Vol. 39, 1949. *

Rozenberg, G., "Photography and Spectrophotography of the Night Sky," Vol. 38, No. 3,
1949. (AD-111045) *

Rozenberg, G., "New Data on the Composition and Temperature of the Higher Layers of
the Atmosphere," Vol. 42, No. 2, 1951.

Rozenberg, G., "New Data on Infrared Radiation of the Night Sky and the Northern Lights,"
Vol. 41, No. 1, 1950. *

Shishkin, N. S., "Study of Summer Precipitation and the Storm Electricity Formation
Processes," Vol. 45, No. 3, 1951. *

Shishkina, M. V., "Infrared Radiation of the Night Sky," Vol. 38, No. 3, 1949. (AD-111044) *

USPYEKHI FIZICHESKIKH NAUK (AKADEMI NAUK SSSR) (Cont'd)

Shkolovskiy, I. S., and Shcheglov, P. V., "Optical Observations of Artificial Satellites," Vol. 64, No. 3, 1958. *

USSR, "Symposium of Soviet Research on Artificial Earth Satellites and Related Subjects," Vol. 63, Nos. 1/2, 1957. *

Vysokovskiy, D. M., "Scattering and Absorption of Microwaves in Atmospheric Formations (Rain, Snow, Clouds, Mist) and Radar," Vol. 47, No. 3, 1952. *

VERMESSUNGSTECHNIK

Krueger, H., "Atmospheric Influences on Astronomical Cal-Geodetic Observations," Vol. 3, No. 2, Feb. 1955. *

VERÖFFENTLICHUNGEN DER GEOPHYSIKALISCHEN INSTITUTS DER UNIVERSITÄTS LEIPZIG

Bjerknes, J., et al., "Synoptic Aerological Investigation of the Weather Situation During the International Days 13-18 December 1937," Ser. 2, Vol. 12, No. 1, 1939. (ATI-113120) *

Model, Fritz, "Symmetry Point and Weather Map Symmetry," Ser. 2, Vol. 11, No. 2, 1938. (ATI-110394) *

Seffert, G., "Unstable Stratifications of the Atmosphere and Their Significance for the Development of Weather in the Königsberg Region," Vol. 6, 1935. (ATI-27864) *

Stange, R., "Measurements With Bergmann Visibility Meter," Vol. 8, No. 5, 1937. (ATI-137186) *

VERÖFFENTLICHUNGEN DER METEOROLOGISCHEN INSTITUTS DER UNIVERSITÄTS, BERLIN

Ficker, Heinz von, "The Atlantic Trade Inversion," Vol. 1, No. 4, 1936. (ATI-113129) *

Jaw, J., "The Thermodynamics of the Trade Surface," Vol. 2, No. 6, 1937. (AD-141031) *

Schnapauff, W., "Studies on the Doldrum Belt of the Atlantic Ocean," Vol. 2, No. 4, 1937. (ATI-113172) *

Schnapauff, W., "Studies on the Doldrums of the Atlantic," Vol. 2, No. 4, 1937. (ATI-112987) * (Superseded by ATI-113162)

Stumpff, K., "Investigations on the Symmetry Properties of Atmospheric Pressure Curves," Vol. 3, No. 1, 1936. (ATI-110381) *

VESTNIK AKADEMII NAUK SSSR

[Anon]: "An Effective Method for Determining the Elements of Atmospheric Radiation Change," No. 6, 1950. *

VESTNIK AKADEMII NAUK SSSR (Cont'd)

- Bagariacki, B. A., "Auroral Research in Geophysical Institute of Academy of Sciences, USSR," No. 1, 1955. (AD-70675) *
- Blagonravov, A., "Investigation of the Atmospheric Upper Layers by High-Altitude Rockets," No. 6, June 1957. *
- Fedorov, Ye. K., "Certain Acute Problems in Geophysics," No. 1, 1959. *
- Fesenkov, V. G., (Report of Address). "The Earth's Exterior Atmosphere and the Counter-glow," 1950. (ATI-160939) *
- Gusev, A. M., "The Advance Into the Interior of Antarctica," No. 4, 1956. *
- Kharadze, Ye. K., and Dzhaplashvili, V. P., "Lunar and Planetary Investigations at Abastumani," No. 11, MO. 1958. *
- Khvostikov, L. A., "The Structure and Composition of the Stratosphere and Ionosphere," No. 1, 1948. *
- Kort, V. G., "The Work of the Institute of Oceanology in the Arctic Basin," No. 1, 1955. (AD-63220) *
- Krasovskii, V. I., "Study of Sky and Aurora," No. 5, 1956. (AD-204604) *
- Mostakhov, S. Ye., "Report of Conference on Dynamic and Thermal Interaction of the Atmosphere and Hydrosphere," No. 7, July 1958. *
- Shcherbakov, D. I., "First Results of the High-Latitude Arctic Expedition of 1954." No. 8, 1954. (AD-65309) *
- Styro, B. I., "Study of Radioactivity of the Atmosphere (Work of Lithuanian Scientists)," No. 8, 1957. *
- Tumanov, I. I., "Station of Artificial Climate," No. 10, Oct 1957. *
- Vyalov, S. S., "The Work of Scientists in Antarctica," No. 9, 1957.

VESTNIK AKADEMII NAUK KAZAKHSSKOY SSSR

- Chizhevskiy, A. I., "Air Ionization in Buildings," No. 9, 1953.
- Suvorov, N. I., "Conference on the Problem of Prognostication of Living Conditions on Other Planets," No. 2, 1957. *

VESTNIK LENINGRADSKOGO UNIVERSITETA

- Tverskoi, P. N., "Space and Time Variations of the Atmospheric-Electric Field," Vol. 2, No. 12, 1947. (AO-102389) *
- Tverskoi, P. N., "Thunderstorm Electricity and Maintenance of the Earth's Negative Charge," Vol. 2, No. 6, 1947. (AD-78342) *

VISTNIK VOZDUSHNOGO FLOTA

- [Anon]: "Calculation of Wind During the Flight," No. 6, 1955. *
- [Anon]: "Determining the Vertical Velocity of a Pilot Balloon," No. 2, 1957. *
- Apanovich, V. M., "How to Reduce the Time of Cloud Breaking," No. 9, 1958. *
- Belousov, V. M., et al., "Our Experience in Meteorological Flight Service Under Favorable Conditions," No. 11, 1956.
- Dolin, V., "Operation of Airfield in Fall and Winter," No. 9, 1947. *
- Gaydayenko, I., "Consideration of Lateral Wind in Taking Off and Landing," No. 6, 1954. *
- Ivanov, Yu. A., "Infrared Instruments in Aviation," No. 8, 1956. (AD-148956) *
- Khar'kov, V., and Tkachenko, A., "Methods of Winter Operation of Airdromes," No. 1, 1947. *
- Kirillov, V. I., "Effect of Intermediate Winds on Bombing," No. 9, 1956. *
- Korsakov, S. T., and Slutsker, L. B., "Ground Navigation Aid to Fighter Planes for Take-Off and Landings in Complex Meteorological Conditions," No. 2, 1956. *
- Krasnobayev, P., "Weather Reconnaissance by Airplanes," No. 12, 1954. *
- Kravchenko, J., and Timofeyev, D., "Meteorological Conditions of Flights at High Altitudes," No. 8, 1954. *
- Kulik, M., "Flying in Thunderstorm Areas," No. 8, 1954. *
- Milovanov, S. P., "Air Navigation in the Stratosphere," No. 1, 1957. *
- Molokanov, G., "Influence of Wind Exerted During Long-Distance Flight," No. 8, 1954. *
- Paliyevskiy, T., Summary: "Landing of a Group of Aircraft in Complex Meteorological Conditions," No. 11, 1954. *
- Pobedonostsev, Yu., "Concerning the Artificial Satellite," Vol. 33, No. 5, 1955. *
- Pyshnov, V., "Flying Conditions at High Altitudes," No. 4, n.d. (ATI-44380) *
- Sadovnikov, A. V., "How to Avoid the Appearance of Contrails," No. 1, 1957. *
- Semenushuekov, N., "Flight Training in Complex Meteorological Conditions," No. 4, 1954. *
- Smirnov, A. S., "Radio and Radar Weather Reconnaissance," No. 2, 1957. *
- USSR, "Table of Contents of the Soviet Periodical," No. 9, 1958. *
- Vinogradova, L. M., et al., "Improving Visibility During Flights in Rainy Weather," No. 4, 1957. *

VESTNIK VOZDUSHNOGO FLOTA (Cont'd)

Zverev, B., and Gerasimov, V., "Bombing Under Complex Meteorological Conditions," Vol. 38, No. 9, 1955. *

VODNYI TRANSPORT

[Anon]: "Three Months in the Central Arctic," 3 August 1954, Col. 1-3, p. 4. *

[Anon]: "The Scientific Drifting Stations on Ice of Central Arctic," July 1954, Col. 5-6, p. 3. *

Burkhanov, V. F., "Victory of Soviet Scientists and Polar Workers," 20 July 1954, Col. 2-3, p. 2. *

Merozov, S., "Meetings in the North," 14 August 1954, Col. 1-3, p. 4. *

Nazarov, V., "For the Arctic Shipping," 10 August 1954, Col. 5-6, p. 4. *

Telstikov, Ye., "On the Drifting Scientific Stations," 20 July 1954, Col. 3, p. 2. *

Treshnikov, A., "In the Drifting Scientific Stations," 20 July 1954, Col. 1, p. 2. *

Treshnikov, A. F., "Diary of A. F. Treshnikov for the 1954-1955 Soviet Polar Expedition," (collection of 9 installments), 9 Jul-30 Aug 1955. (For sale by John Crerar Library)

Zotin, M., "Scientific Research in the Central Arctic," 27 July 1954, Col. 1-3, p. 4. *

VOKRUG SVETA

Akkuratov, V., Summary: "The Wandering Islands," No. 6, June 1954. *

Akkuratov, V., "On Drifting Ice," No. 8, August 1954. *

VOLKENRODE R & T

Weickmann, H., "The Ice Phase in the Atmosphere," No. 176, Feb 1947. (ATI-84664) *

VOPROSY FILOSOFII

Fedorov, Ye. K., "Influence of Man on Meteorological Processes," No. 4, 1958. *

VOPROSY GEOGRAFI

Alisov, B. P., "The Climatology of the Slopes of the Fergana and Chatkal Ranges Facing the Fergana Valley," No. 1, 1946.

Chu K'ochen, "History of Chinese Meteorology," No. 35, 1954. *

Polovinkin, A. A., "Peculiarities of the Climates of Trans-Baykal, The Amur and the Far East Maritime Districts," No. 1, 1948.

VSESCIUZOE ASTRONOMIO-GEOGEZICHESKOE OBSHCHESTVO

Chernov, V. N., and Chistyakov, V. F., "Hales and the General Circulation of the Atmosphere," No. 19, 1958.

VSESEKTSIONNYE ZASEDANIYA, OBZORNE DOKLADY

Kibel, I. A., "The Mechanics of a Compressible Fluid," Vol. 1, 1938. (ATI-62612) *

VUELO SILENCIOSO

Sanchez, R. L., "A Test Flight in a Thunderstorm Front," Vol. 1, No. 7, 1953.

WEATHER (Japanese, (See: TENKI)WETTER UND KLIMA

Dinkelacker, Otto, "Concerning Special Wind Distribution Functions," Nos. 5/6, 1949. *

WETTER UND LEBEN

Sauberer, F., and Dirmhirn, I., "The Influence of the Radiation Factor on the Growing and Shrinking of Glaciers," Vol. 2, 1950. *

WISSENSCHAFTLICHE ABHANDLUNGEN, REICHSAMT FÜR WETTERDIENST (Berlin)

[Anon], "Snowfall in Hessen 1901-1930," Vol. 5, 1939. *

Schulz, Leo, "Influence of the Harz on the Weather During the Spring of 1936: Chapt. E, Peculiarities in the Sequence of Weather," Vol. 8, No. 1, 1939-40. (ATI-27915) *

Schwerdtfeger, Werner, "About the High Clouds," Vol. 5, No. 1, 1938. (AD-4988/AD-65314) "

ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK

Cellatz, L., "A Natural Interval for the Numerical Integration of Systems of Linear Differential Equations," Vol. 22, No. 4, 1942. *

ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND PHYSIK

Meicher, D., "Experimental Investigation of Iceing Phenomena," Vol. 2, No. 6, 1951. *

ZEITSCHRIFT FÜR ANGEWANDTE METEOROLOGIE (DAS WETTER)

Hrudica, Bohuslav, "Meteorology in the Service of Construction," Part I, Vol. 54, Nos. 2/3, 1937; Part II, Vol. 55, Nos. 4/5, 1938; Part III, Vol. 56, No. 8, 1939. *

ZEITSCHRIFT FÜR ANGEWANDTE METEOROLOGIE (DAS WETTER) (Cont'd)

Schumacher, C., "Observations on an Altocumulus Deck," Vol. 57, No. 7, 1940. (AD-102471)*

Yao, C. S., "Stationary Fronts and Sea-Basin Cyclones During the Chinese 'Mai-U' Period," Vol. 56, No. 7, 1939. (ATI-27879) *

ZEITSCHRIFT FÜR ANGEWANDTE PHYSIK

Poevverlein, H., "A Simple Theory of Radiowave Diffraction Beyond the Horizon," No. 8, 1958. (AD-133711) *

ZEITSCHRIFT FÜR ASTROPHYSIK

Ludendorff, H., "Investigation of the Frequency Curve of Sunspots," Vol. 2, 1931.

ZEITSCHRIFT FÜR FLUGTECHNIK UND MOTORLUFTSCHIFFAHRT

Lange, R. O., "Measurements of Vertical Air Currents in the Atmosphere," Vol. 22, No. 17, 1931. *

ZEITSCHRIFT DER GESELLSCHAFT FÜR ERDKUNDE ZU BERLIN

Wissmann von Herman, "The Climate and Vegetation Regions of Eurasia," 1939. *

ZEITSCHRIFT FÜR GEOPHYSIK

Israel, H., "A Transportable Instrument for Measuring Heavy Ions," Vol. V, 1929.

Kohne, Kurt, "Investigations of Fine Pressure Waves," Vol. XVI, 1940.

Stormer, Carl, "Sunlit Aurora Rays," Vol. V, 1929.

ZEITSCHRIFT FÜR GLETSCHERKUNDE, FÜR EISZEITFORSCHUNG UND GESCHICHTE DES KLIMAS

Hess, Hans, "On the Elastic Constants of Ice," Vol. 27, 1940/1. (ATI-185364) *

Lagally, M., "An Attempt to Formulate a Theory of Crack Formation in Glaciers," Vol. 17, Nos. 4/5, 1929. (AD-79156) *

ZEITSCHRIFT FÜR GLETSCHERKUNDE UND GLAZIALGEOLOGIE

Loewe, Fritz, "Firn Tremors in the Inland Ice of Greenland," Vol. 3, No. 2, 1956. (AD-119297) *

ZEITSCHRIFT FÜR INSTRUMENTENKUNDE

Anon.: "On a Standard Barometer of New Type of Construction," Vol. 65, No. 4, 1957.
(For sale by Dept. of Science and Industrial Research, London, England.)

Reager, E., and Siedentopf, H., "On the Limits of Visibility of Black Circular Discs and the Positive and Negative Contrast Threshold," Vol. 64, April-June 1944. (ATI-110157) *

ZEITSCHRIFT FÜR METEOROLOGIE (Potsdam)

Burkhardt, K., "The Theory of Oblique Sight," Vol. II, 1948. *

Foitzik, Leonhard, "On an Instrument and a Method for the Measurement of Visibility by Day and Night, (Visibility Meter)," Vol. I, Nos. 7/8, 1947. (ATI-110160) *

Foitzik, Leonhard, "Theory of Slant Visibility," Vol. I, No. 6, 1947. (ATI-110157) *

Israel, H., and Sommermeyer, K., "The Partial Reflection of Electromagnetic Waves in the Troposphere," Vol. III, Nos. 1/2, 1949.

Klinkow, W., and Weide, R., "The Scatter Error of the 'Mödel Lang' Radiosonde," Vol. X, 1956. (Available at US Weather Bureau Library, Washington D. C.)

ZEITSCHRIFT FÜR METEOROLOGIE (Potsdam)

Koenig, W., "Treatise on the Rainfall of Cold Air Islands," Vol. III, Nos. 11/12, 1949.
(ATI-116326) *

Koppe, Heinrich, "Solar Activity and the Atmosphere," Vol. VI, No. 12, 1953. (AD-90250) *

Loeser, G., "Comparison of the Possibilities for Measuring Turbulence in the Free Atmosphere," Vol. II, No. 9, 1948. (ATI-121837) *

Reiter, R., "Results of Simultaneous Recordings of Atmospheric-Electric Parameters at Six Levels Between 700 and 3000m Above Sea Level," Vol. IX, No. 4, 1955.
(AD-104478) *

Siedentopf, H., "On the Scattering of Light by Water Drops," Vol. I, Nos. 11/12, 1947.
(ATI-110152) *

Schmauss, A., "Diurnally Fixed Pressure Waves in the Atmosphere," Vol. II, Nos. 9/10/12, 1948.

ZEITSCHRIFT FÜR NATURFORSCHUNG

Burkhardt, G., "Theoretical Contribution of the Work of R. Hilsch on the 'Vortex Tube'," Vol. 3a, No. 1, January 1948. (ATI-110174) *

Lettau, Heinz, "The Oxygen and Water Vapor Balance of the Atmosphere," Vol. 7, Nos. 3/4, 1952.

Muhleisen, R., "A Contribution to the Methodology of Atmospheric-Electric Potential Measurements; Effects of the Wind in Radioactive Collectors," Vol. 6a, 1951. *

ZEITSCHRIFT FÜR NATURFORSCHUNG (Cont'd)

Rau, Walter, "The Influence of Droplet Size on the Super-Cooling of Drops of Water and the Interpretation of the Ice Nucleus Spectrum," Vol. 8, 1953.

ZEITSCHRIFT FÜR PHYSIK

Reisenberg, W., "On the Statistical Theory of Turbulence," Vol. 124, 1942. (AD-151958) *

Helms, B. F., and Pick, H., "The Centrifugal Force of a Sphere in a Fluid," Vol. 134, 1953. *

ZENTRALE FÜR WISSENSCHAFTLICHES BERICHTSWESSEN, DAL (See also DEUTSCHE LUFTFAHRTFORSCHUNG, ZWB)

Feldhusen, "Aerial Navigation in Polar Regions," April 1944. (ATI-25164) *

Regener, E., "Experiments on the Condensation and Sublimation of Water Vapor at Low Temperature," No. 37, 1941. (ATI-37061) *

ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY FIZIKI

Alpert, Ya., "On the Statistical Nature of the Ionosphere," Vol. 21, No. 8, 1951. (For sale by Morris D. Friedman, Inc.)

Averbukh, R. E., and Kosman, M. S., "The Polarization of Ice," Vol. 19, No. 11, 1949. *

Koloniets, N. V., "The Measurement of Atmospheric Humidity With Semiconductor Thermocouples," Vol. 26, No. 3, 1956. (For sale by United Kingdom Scientific Mission.)

Kuz'min, A. I., "Studies of Influence of Meteorological Factors on Cosmic Ray Intensity," Vol. 28, No. 5, 1955. *

Nevzgliadov, V. G., "Phenomenological Theory of Turbulence," Vol. 16, No. 7, 1946.

Pines, B. Y., "Isothermal Growth of Nuclei During Dissociation of a Supersaturated Solution," Vol. 18, No. 1, 1948. *

ZHURNAL FIZICHESKOY KHIMII

Artemov, I. S., "The Influence of Foreign Vapors on the Coagulation of Aerosols," Vol. 20, No. 6, 1946. (AD-105989) *

Tunitskii, N. N., "Diffusion Processes Under Conditions of Natural Turbulence," Vol. 20, No. 10, 1946.

ZHURNAL GEOFIZIK (Moscow)

Askani, A. I., "Cloudiness of Kislovodsk and of Sedlevaya Mountain in Relation to Tropospheric Air Masses," Vol. 4, No. 3, 1934. (ATI-172067) *

ZHURNAL GEOFIZIK (Moscow) (Cont'd)

- Dzherdzhis, V. A., "Weather Types of Central Asia," Vol. 5, No. 2, 1935, (ATI-27865) *
- Fesenkov, V. G., "A Study of the Optical Properties of the Atmosphere by the Photometric Method," Vol. 4, No. 2, 1934.
- Lir, E. S., "The Basic Features of the Winter Synoptic Process in the Northern Hemisphere," Vol. 2, No. 1, (3), 1932. (ATI-145581) *
- Lir, E. S., "The Basic Features of the Atmospheric Circulation in the Warm Half of the Year; Preliminary Account," Vol. 3, No. 4, (B), 1933. (ATI-145590) *
- Strameussov, N. V., "Synoptic Processes in the Eastern Part of the Asiatic Continent and Adjacent Seas," Vol. 5, No. 2, 1935. (ATI-110457) *

ZHURNAL GROFIZIK I METEOROLOGIA

- Lir, E. S., "The Synoptic Conditions of Glazed Frost in the European Part of USSR," Vol. 4, No. 1, 1927. (ATI-145579) *
- Loveyke, M. V., "A Study of the Conditions of the Formations of Ice-Jam ('Zazhor') on the Rivers of the Northwestern Region of Russia (Neva, Svir, Sheksna, Volkhov)," Vol. 3, No. 3, 1926. (ATI-145579) *

ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII, I IMMUNOLOGII

- Koyranskiy, B. B., "On the Role of the Meteorological Factor in the Etiopathogenesis of Virus Grippe [Influenza]," No. 8, August 1955. *

ZHURNAL PRIKLADNOI KHIMII

- Smirnov, N. I., and Ruban, V. L., "The Dependence of the Velocity of Drops on the Velocity of the Medium," Vol. 22, No. 11, Nov. 1949. *

ZHURNAL TEKHNICHESKOI FIZIKI USSR

- Chernov, A. P., "The Effect of Solid Admixtures on the Velocity of Motion of a Free Dusty Air Jet," Vol. 26, No. 5, 1956. *
- Ivanov, K. E., and Lavrov, V. V., "Peculiarity of the Mechanism of Plastic Deformation of Ice," Vol. 20, No. 2, 1950. *
- Kobeko, P. P., and Marell, F. L., "Wetting and Strength of Adhesion," Vol. 16, 1946. *
- Lavrov, V. V., "The Temperature Dependence of Ice Viscosity," Vol. 17, No. 9, 1947. *
- Losev, O. B., "The Photoelectric Effect in a Special Active Layer of Silicon Carbide Crystals," Vol. 1, No. 7, 1931. (AD-79594) *
- Pokrovskii, G. I., "Mechanics of Frozen Ground," Vol. 5, No. 6, 1935. (ATI-70495) *

April 1959

AWS Bibl 15

ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ USSR (Cont'd)

Vyrubov, D. N., "Droplet Thermal Emission and Evaporation," Vol. 9, No. 21, 1923-31
(1939). (AD-105982) *

ZNANIYE SILA

Khvostikov, I. A., "Earth and Sun," No. 9, Sept. 1958. *

AIR WEATHER SERVICE BIBLIOGRAPHY

**LIST OF TRANSLATIONS ON METEOROLOGY
AND ATMOSPHERIC PHYSICS
PART TWO
NON-SERIAL PUBLICATIONS**

FOR OFFICIAL USE ONLY

UNITED STATES AIR FORCE

PART TWO

TRANSLATIONS OF BOOKS AND OTHER NON-SERIAL PUBLICATIONS

- Abild, B., Weather Influence Upon VHF Propagation (Range and Radio-Location). Translation from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen. (Appendix 8) 12 pp. (AD-134523) *
- Afanasev, A. D., Mechanization of Snow Operations of a New Technological Basis. (Mekhanizatsiya snegouborochnykh rabot na novoi tekhnologicheskoi osnove.) Moscow. Akademiya Nauk SSSR, 1945, pp. 49-60. Transl. by Bureau of Yards and Docks, 1949; in: NAVDOCKS P-25, pp. 29-36. *
- Aganorov, V. K., and Benashvili, I. A., Problems of Marine Hydrometeorological Forecast. Government Oceanographic Institute, USSR, 1946, 212 pp. Transl. Hydrographic Office Library, 387 pp. typescr.
- Agostinho, J., Climate of the Azores. (Clima dos Acores.) Angra do Heroismo, 1938. Transl. of 4 Parts, 153 pp. Part I, General Discussion of Temperature and Atmospheric Humidity (ATI-27958); Part II, Pressure of the Atmosphere (ATI-27888); Part III, Winds (ATI-27875) and Part IV, Rainfall (ATI-27927) *
- Ahlmann, Hans W., Ice and Sea in the Arctic. Lecture at the Annual Meeting of the Royal Academy of Science in Stockholm, March 1943. Transl. by K. A. Gleim 13 pp. (ATI-113119) *
- Akkuratov, V. I., Aeronavigation Methods in High Latitude Flying. Translated excerpt from: "The Aircraft N-169 Expedition to the 'Pole of Inaccessibility' Region," pp. 37-56. Publ. by the Arctic Research Institute of the Northern Sea Route Administration under the Council of Ministers of the USSR, 1946. Transl. by E. Hope, Sci. Info. Center, DRB, Canada, No. T47R, 24 pp. plus figs., 1951. (ATI-120299) *
- Albrecht, Julius, A Differentiation Technique for Partial Differential Equations With Non-Linear Boundaries. Institute für Angewandte Mathematik der Universität Hamburg, July 1954. Tech Note EOARDC-TN-54-2 (Contract AF 61 (514)-631-C. Transl. Jan. 1955, 10 pp. (AD-74983) *
- Alisov, B. P., et al., Table of Contents and Translator's Notes on Meteorology, Part I: General Meteorology; Description of Instruments. USSR Hydrometeorological Service, Book No. 5, 1940. Part II: Synoptic Meteorology, by V. A. Bugaev, et al., USSR Hydrometeorological Service, Book No. 40, 1940. Transl. 14 pp. (AD-141030) *
- Alisov, B. P., Climatic Districts and Regions of USSR. (Klimaticheskie Oblasti i Raiony SSSR.) Gosudarstvennyy universitet im M. V. Lomonosova Nauchnoissledovatel'skii Institut Geografii, Moscow, 1947. Transl. of portions on general discussion of European portion of USSR and the Atlantic-Arctic district (pp. 27-47), and on Soviet Middle Asia (pp. 116-132), 29 pp. figs. missing. Rough draft, USA QM, Envir. Prot. Sect.

- Altsov, B. P., et al., Manual of Climatology. Hydrometeorological Publications, Leningrad, 1940. Seven Chapters. Chapter I, Climatology (ATI-120329); Chapter II, Formation and Classification of Climates (ATI-120330); Chapter III, Microclimate (ATI-120328); Chapter IV, Climates of Continents and Oceans (ATI-120327); Chapter V, Change and Fluctuations of Climate (ATI-120326); Chapter VI, Methods of Climatological Processing of Observations (ATI-120325); Chapter VII, Climate and the State Economy (ATI-120324). Transl. Hq AAF Weather Division, Report No. 400, 1022 pp. *
- Alpert, Ia. L., et al., Radiowave Propagation. (Rasprostraneniye radiovoln.) Gosudarstvennoe Izdatel'stvo Tekhniko-Teoreticheskoi Literatury, 1953, 883 pp., 128 figs., 124 tables, 373 ref. (Transl. for sale by John Crerar Library, R-1929 through R-1937.)
- Alt, E., Climate of Central and Southern Europe. (Klimakunde von Mittel und Sudeuropa.) Handbuch der Klimatologie, Vol. 3, Part M, Berlin, 1932. Transl. Hq AAF Weather Division, Report No. 188, 1942, 320 pp. figs. missing. (ATI-113115) *
- [Anon]: Aeronautical Meteorological Survey in France. Transl. from a captured German document, 8 pp. 1944. (ATI-137075) *
- [Anon]: The Apparatus of FuG 502, n. d. Transl. of pamphlet, 41 pp. n. d. *
- [Anon]: Aspects for Development of a Sailplane for Use at Greater Altitudes. (Gesichtspunkte zur Entwicklung eines Segelflugzeuges zum Einsatz in grossen Hohen.) Transl. of unpublished manuscript by AMS for GRD, March 1953, 29 pp. *
- [Anon]: Atmospheric Pressure. Japanese Textbook on Meteorology, Vol. 1, August 1940. Transl. by U. S. Western Defense Command No. 2804, 5 pp. Transl. of Table of Contents in OP-16-FE, No. 112, 30 March 1945. (AD-141042) *
- [Anon]: Aviation Meteorology, (Meteorology Lotnicza.) (Polish) 1950. Transl. USAF Report No. IR-8-53, AF 493601, January 1953, 17 pp. *
- [Anon]: The Climatic Conditions of Turkey. Transl. from German for Chief of Weather Section, Hqs AAC, USA, March 1942, 11 pp. (AD-5274) *
- [Anon]: Compilation of the Hydrometeorological Codes. Issue L, Hydrometeorological Publications, Moscow, 1942, 97 pp. carbon typescr. (Hq AAF, Weather Division Report No. 572.) Partial translation of pages 123 through 190 of Russian text, covering KII codes. (Original document not in AWS files.) (Downgraded by authority of Chief, AWS, 1945).
- [Anon]: Direction for Prognostic Calculation of Pressure, Temperature and Wind With the Aid of Hydrodynamics. Transl. S. L. A. Tr R-553, 19 pp. (For sale by John Crerar Library.)
- [Anon]: On the Draft Law Concerning the /Greek/ National Meteorological Service (NMS). Office/Air Attache, Athens, Greece, 30 April 1955. Transl. IR-155-56, AF-747143, 21 pp. plus 4 pp. tables. *
- [Anon]: Drift Station. (Dreftstuscaja Stancija.) Transl. AFCRC, 1951. typescr. 203 pp. (See also under "Northern Sea Route Administration.")
- [Anon]: Excerpts from the Lectures given at the Meteorology Meeting in Obargurgi, Austria, 20-21 Sept. 1952, 11 pp. typescr. (ATI-172085)

- [Anon]: High Altitude Research Work, Nepazava, Hungary, 27 Nov 1954. (Report No. R-472-54, 29 November 1954.) Transl. 1 p. *
- [Anon]: Gas Meteorology. Japanese document captured at Guam, 1941. Special Tr. #53, CINCPAC-CINCPAC, Bull. No. 139-45, 1 June 1945, 106 pp. *
- [Anon]: Guide Through the Field of Activities of the State Office (Reichsamt) for Weather Service, Berlin, 1939. Transl. USAFE, 4 Sept. 1945, 24 pp. *
- [Anon]: Meteorological Instrument for Determining Air Temperature, Humidity, and Precipitation. From: "Meteorologicheskiye Pribory," Leningrad, 1953, pp. 97-129, 151-175. Transl. 31 August 1955, 74 pp.
- [Anon]: Military Geography Features of Egypt. (Militärgeographische Angaben über Ägypten.) Berlin, 21 June 1942. Transl. 18 pp. August 1942. *
- [Anon]: The Motion of an Artificial Satellite in the Noncentral Gravitational Field of the Earth in the Presence of Atmospheric Resistance. Paper Presented by USSR delegation to IGY meeting in Washington D. C., Oct 1957. Transl. in: "Collection of Soviet papers on Earth Satellites," Mass. Inst. of Tech., Lincoln Lab., 31 Oct 1957, reissued 13 Jan 1958, pp. 171-182. *
- [Anon]: Notes on the Climate of the Oriental Region of Ecuador. Publ. not cited, n. d. [1948?] Transl. 10 pp. n. d. (ATI-145124) *
- [Anon]: Observation of Fog and Squalls, With Reference to Suitability for Flying. (From Japanese) Allied Translator and Interpreter Section, E. P. No. 81, January 1944, 9 pp. *
- [Anon]: Organization and Function of the USSR Weather Service, 1943-45. Extract from German document "Meteorology." Transl. 24 Nov 1948, 31 pp. *
- [Anon]: Provisional Instructions to the Staffs of the Radio and Meteorological Stations in Greenland on How to Take Ice Observations. Transl. from document of Grönlands Styrelse Vejrtenesten, 6 pp. 1948. (AD-141043) *
- [Anon]: The Radiosonde. (Vorschrift für Radiosondendienst, Teil 2, Radiosonden Auswertvorschrift.) Der Reichsminister der Luftfahrt und Oberbefehlshaber der Luftwaffe, Berlin, D. 1704/2, December 1944. Transl. 19 pp. (ATI-28215) *
- [Anon]: Reports on the Meteorological Phenomena Which Occurred in August 1937, (China). Translator not cited, n. d. 12 pp. plus tables. *
- [Anon]: Reflection or Refraction of Electromagnetic Waves Below the Ionosphere. Arbeitsbericht, Berlin, 18 Sept. 1944. Transl., 2 pp. (ATI-43721) *
- [Anon]: Report of Scientific Research Performed in 1945, Division of Geological and Geographical Sciences. (Referaty Nauchno-Issledovatel'skikh Rabot za 1945g, Otdelenie Geologo-Geograficheskikh Nauk.) The Obruchev Institute of Permafrostology (Institut Merzlotovendertia Imeni V. A. Obrucheva). Izdatel'stvo Akademii Nauk, SSSR, Moscow-Leningrad, 1947. Transl. 1950, Stefansson Library, mimeograph.
- [Anon]: Report on Activities of the NW Germany Meteorological Office 1950. (Meteorologische Amt für Nordostdeutschland, Hamburg, "Bericht über die Tätigkeit," 1950.) Partial translation, 28 pp. 1952. *

- [Anon]: The Radiogoniograph - A Recording Device for Atmospheric Disturbances. (Radiogoniograph. Beschreibung und Instruktionen für Installation und Betrieb. Charakteristischem Pläne und Schemas.) Zurich. Transl. 59 pp. (ATI-65163) *
- [Anon]: Selected Portions of the "Bericht über den Tätigkeit im Jahre 1951" (Activity Report for the Year 1951) of the Northwest German Weather Service. Meteorologisches Amt für Nordwestdeutschland, Hamburg, 1952. Transl. 1952, 5 pp. *
- [Anon]: The Shvordina Polar Station. Zheleznodorozhny Transport Report No. 2, (USSR Eng. Perma. Arctic Studies, February 1947.) Transl. 1 p. (AD-2188) *
- [Anon]: A Successful Typhoon Forecast, K'e-hsueh-hua-pao, 1 Aug 1957, Transl. 15 pp. 6004th AISS, Tr-S-3B-310.
- [Anon]: Study of Loess, [North China] 30 Sept. 1940. Transl. from Japanese, August 1945, 31 pp. (ATI-113182) *
- [Anon]: Study of Temperature Relations in Inversions. Some Results of Temperature Observations on the Münster (Cathedral) Tower at Strassbourg. Inversion Studies Part III. (Einige Ergebnisse der temperature - Beobachtungen auf den Strassburger Münstertur.) Transl., 9 pp. n.d. (ATI-57212) *
- [Anon]: Sudden Changes of Atmospheric Electric Field During Thunderstorm Discharges. (Sprunghafte Versenderung des Luftelektrischen Feldes bei Gewitterigen Entladungen.) (EHF) Flugfunk-Forschungsinstitute Oberpfaffenhafen, February 1945. Transl. 17 pp. (ATI-48654) *
- [Anon]: A Summary and Analysis of Atmospheric-Electric Observations Made at Pilar During 1924-1936. (Resumen y Analisis de Observaciones de Electricidad Atmosferica (Pilar), Anos 1924-1936.) Series B, 2nd Section, Part III, No. 1, Buenos Aires, 1952. (Spanish). Transl. by AMS for GRD, 7 pp. Transl. No. T-5.
- [Anon]: A Summary and Analysis of Atmospheric-Electric Observations Made at Pilar During 1937-1950. (Resumen y Analisis de Observaciones de Electricidad Atmosferica (Pilar), Anos 1937-1950.) Series B, 2nd Section, Part III, No. 2, Buenos Aires, 1953. Transl. by AMS for GRD, 3 pp. Transl. No. T-6.
- [Anon]: Thawing Frozen Ground by Means of Water-Heated Stakes. Ministry for Construction for Heavy Industry, VNIOMS, Moscow, 1948. Translation DRB, Canada, 24 pp. 1951.
- [Anon]: Thermoelectric Actinometer. Transl. from Russian by 2nd Weather Wing, November 1957, 4 pp. *
- [Anon]: Visual Observations of the Aurora Borealis in Sweden. (Manuscript) Transl. by AMS for GRD, 7 pp.
- [Anon]: Weather Conditions in Manchuria. Taken from Japanese Document: "Weather Conditions in Siberia, Manchuria, Karafuto and Chishima." Transl. Japanese Hydrographic Office, Oct. 1939, 20 pp. *
- [Anon]: Weather Forecasting. From a Japanese Textbook on Meteorology, n.d. Transl. of Chapter X, by Western Defense Command, No. 1678, [1944?] , 23 pp. (AD-141182) *

- [Anon]. Weather Instructions for Flying. (Flugmeteorologische Hinweise.) Erweiteter Sonderdruck aus Luftgeographische Beschreibung, Italien, Band 1, 1944, Transl. 44 pp. (ATI-120788) *
- Anuchin, V. A., and Spiridonov, A. I., Trans-Carpathian District (Ukraine SSSR, Ruthenia) (Scientific-Popular Geographic Description. (Zakarpatskaya Oblast, Nauchno-populairnoe geograficheskoe opisaniye.) Moscow, 1947. Transl. 16 pp. (ATI-120301) *
- Arenberg, A. G., Work Undertaken on the Study of the Propagation of Ultrashort Waves in the USSR. Transl. DRB, Canada, 23 July 1949, 20 pp. (AD-5272) *
- Avsyuk, G. A., Modern Glaciation of the Soviet Arctic. Report to the International Conference on the "Study of Sea Ice," at Washington, D. C., 1958. Transl. 22 pp. *
- Babikov, M., et al., Meteorology for Aviators. Military Publication House, Moscow, 1941. Transl., 120 pp. Jan 1943. (ATI-110460) *
- Barbe, M. G., Climatology of the Rhine Region. (Climatologie de la Region du Rhine.) l'Office National Meteorologique de France, 1924. Translated extract by R. L. Schultz, 9th A. F. Weather Service, Tech. Paper No. 5, 28 Dec 1944, pp. 1-9. (ATI-110363) *
- Baur, Franz, Introduction into Large-Scale Weather Research. (Einführung in die Grosswetterforschung.) 1937. Translated for Hq AAF, Directorate of Weather, Report No. 22, 1942.
- Baur, Franz, Examples of European Large-Scale Weather Situations. Dieterich'sche Verlagsbuchhandlung, Wiesbaden. Transl. by Tech. Evaluation Section and Chas. G. Vaughn, Weather Central, USAFE, 1947, 35 pp. (AD-101536) *
- Baur, F., Physical-Statistical Rules as the Basis for Forecasting Weather and Atmospheric Conditions. (Physikalische-Statistische Regeln Als Grundlage fuer Wetterund Witterungsvorhersagen.) 1953. Transl. USAF, January 1953, 4 pp. *
- Beelitz, Paul, Mechanical Radiosondes With Controlled Signal Transmission. Extract from "Radiosonden," Berlin, pp. 69-79, 1954. Transl. 11 pp. 1956. *
- Beelitz, Paul, Information on East German Rocket Radiosonde. Extract from "Radiosonden," Berlin, 1954, pp. 86-90. Transl. 1957, 5 pp. *
- Belinskiy, N. A., Excerpts from Utilization of Certain Characteristics of Atmospheric Processes for Long Range Forecasts; Development of a Method for One-Year Forecast of Cyclone and Anticyclone Activity, (Azpól'zovaniye Nekotorykh Osobennostey Atmosferykh Protssessov Dlya Dolgosrochnykh Prognozov.) Leningrad, 1957, pp. 3-12, 182-202. Transl. March 1958, 52 pp. *
- Belinski, V. A., Dynamic Meteorology. (Dinamicheskaya Meteorologiya.) Moscow, Gostekhizdat, 1942, 703 pp. Transl. of Chapters II to XIX inclusive, 1950, pp. 360-600.
- Belov, N. A., Results of the Study of Bottom Deposits. From: "Observation Data of the Scientific Research Drifting Station of 1950/51," Vols. I-III. (Materialy nabludenii nauchno issledovatel'skoi driefutushchey stantsii 1950/51 goda.) Izdatel'stvo Morskoi Transport, Leningrad, Vol. I, Sect. 4, Art. 8, 1954/55. Transl. by David Kraus, AMS for GRD, 1958. (Contract AF 19(604)-1936) (AD-117125) *

- Berg, L. S., Fundamentals of Climatology. (Osnovy Klimatologii.) (2nd Ed. Rev. and Suppl.) Geografo-ekonomicheskii Nauchno Issledovatel'skii Institut, State Scientific-Education Publishing Office, attached to the People's Commissariat of Education of the RSFSR, 1939. Transl. 1844, 4 Vols. 504 pp. (ATI-110462, ATI-110463, ATI-110464, ATI-110465) *
- Birkeland, B. J., and Foyn, N. J. Climate of Northwestern Europe and Islands from Iceland to Franz Joseph Land. From: "Handbuch der Klimatologie," Vol. 3, Part I, ed. by Koppen and Geiger, Borntraeger, Berlin, 1932. (ATI-120331) *
- Bjerknes, V. F. K., et al., Physical Hydrodynamics With Application to Dynamic Meteorology. (Physikalische Hydrodynamik mit Anwendung auf die dynamische Meteorologie.) Berlin, 1933. Transl. by P. C. Kangieser of Chapters 1-2, 1946, 49 pp.
- Bjerknes, J., et al., Physical Hydrodynamics With Applications to Dynamic Meteorology, Second Part: Applications to Meteorology. Transl. 107 pp. Chapt. XV, The Mean State of the Atmosphere; Chapt. XVI, The Thermal Management of the Atmosphere; Chapt. XVII, The Disturbances in the Large Permanent Circulations; Chapt. XIX, The Weather, plus figs 98 thru 151. U. S. Signal Corps, 1935. *
- Elimova, E. N., Hydrodynamic Theory of Pressure and Temperature Waves and Centers of Action of the Atmosphere. Central Geophysical Observatory, August 1942. Transl. 1944, 13 pp. (ATI-120940) *
- Blokhinstev, D. L., Acoustics of a Nonhomogeneous Moving Medium. (Akustika Neodnorodnoi Dvizhushchetsya Sredy.) Ogiz, Gosudarstvennoe Izdatel'stvo, Tekhniko-Teoreticheskoi Literatury, Moscow, 1946, Leningrad. Transl. by NACA, Tech Memo. 1399, February 1953, 194 pp. *
- Boer, J. H., Local Weather-Watch Problems at Leeuwarden Air Base. Seminar Report held on 18 January 1955, Royal Netherlands Meteorological Institute. Translated from Dutch by D. H. Lufkin, March 1956, 7 pp. *
- Boorke, A., Sea Ice. Polar Worker's Library, Moscow, 1940. Transl. pp. 1-115 in: "Investigation of Construction and Maintenance of Airdromes on Ice," 1946-47, prepared by Soils Lab., New England Div., Corps of Engineers, Boston, 1947. (AD-141181) *
- Berlov, A. A., Climates of the USSR. (Klimaty SSSR.) Moscow, 1948. Translated digest and extracts, 300 pp. Lithoprint on cards. *
- Bosch, --, Test of Production-Scale Anti-Icing System in the ME-210 Airplane; Fifth Part. (Erprobung der Serienmassigen Eisschutzanlage in ME-210, 5 Teilbericht.) Translation Feb. 1947, 4 pp., 25 photos. (ATI-23075) *
- Bottger, R., Suitability of Disc and Cone for Ice-Layer Measuring by Aerodynamic Drag. (Untersuchungen über die Eignung von Scheibe und Kegel zur Messung des Eisbelages Mittels des Aerodynamischen Widerstandes.) Deutsche Versuchsanstalt für Luftfahrt, FB 462, 2 Sept. 1935. Transl. AAF, Report No. F-TS-767-RE, 27 Aug 1946, 12 pp. illus. (ATI-22579) *
- Braak, C., Climatology of East-India and East-Indian Islands. (Klimakunde von Hinterindien und Insulinde.) From: "Handbuch der Klimatologie," ed. by Koppen and Geiger, Vol. 4, Part R, Borntraeger Bros., Berlin, 1931. Transl. by Weather Research Center, Eq AAF, Report No. 55, 1942, 180 pp. *

- Braun, W. von, Investigation of the Upper Atmosphere With A4 (V2) Rocket Missile. Publ. not cited. r. d. Transl. and ed. by E. M. Wormser, Res. and Dev. Serv., Ft. Bliss, Tech Report No. 9, 12 April 1946. (AD-141139) *
- Bricard, J., Research on Cloud Composition and Atmospheric Transparency. Transl. from French by Dept. of Meteorology, MIT, of lecture given by J. Bricard, June 1954, at Massachusetts Institute of Technology. (To have appeared later in Comptes Rendus with illustrations.) (AD-48965) *
- Bricard, J., Some Remarks Concerning the Effectiveness of the Lightning Currents in the Earth. French manuscript, Institut de Physique du Globe de Paris. Transl. by AMS for GRD, 15 pp. Tr. No. T-32F.
- Brocks, K. H., A General View of the Possibilities of Radar for a Qualitative and Quantitative Comprehension of Certain Meteorological Phenomena. Transl. from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen, 9 pp. (Appendix 5). (AD-134521) *
- Brocks, Karl, Radar Ranges at Sea. Results of an Investigation into the Meteorological Influences. Transl. from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen, 17 pp. (Appendix 10). (AD-134525) *
- Brun, E., and Vasseur, Marcel, Calculations for a Thermal Anti-Icer. French National Aviation Congress, 1946, Sub-Section No. 49, Report No. 49 - 150. Transl. by F. Weiner, North American Aviation Inc., Oct 1953, 22 pp. photostat. * (For sale by The John Crerar Library, Price \$7.60)
- Brun, E., et al., Physics of the Atmospheric Icing. Report No. 42-136. Thermal Anti-Icing French National Aviation Congress, 1946, Sub-Section No. 42. Transl. by F. Weiner, North American Aviation Inc., January 1954, 3 pp. (AD-116076) *
- Bruckmayer, F., and Seiler, R., Weather Producing Activities of Cold Fronts in the Croation Region, 1943. Transl. 28 pp. plus figs. *
- budyko, M. I., The Heat Balance of the Earth's Surface. (Teplovoy balans zemnoi poverkhnosti.) Gidrometeorologicheskoe izdatel'stvo Leningrad, 1956. Transl. by Nina A. Stepanova, USWB, 1958, 255 pp. * See also translation of paper by same title presented at WHO Commission for Climatology, 2nd Session, at Washington D. C., Jan 1957, 13 pp. *
- Bugaev, V. A., Climate of (Soviet) Middle Asia and Kazakhstan. (Klimat Sredney Azii Kazakhstana.) Akademiya Nauk Uzbekskoi SSSR. Soviet nauchnoi propagandy, Tashkent, 1946. Transl. by G. S. Mitchell, USA QM, 27 pp. (rough draft).
- Bumitskii, V. Kh., The Central Arctic. (Tsentral'naya Arktika.) Vsesoyuznoe Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy, Leningrad, 1949. Transl. by AMS for GRD, Nov 1955, 39 pp. (AD-53050) *
- Burkhanov, V. F., New Soviet Research in the Arctic. (Novyye Sovetskiye Issledovaniya v Arktike.) 1955. Transl. by Howard Neumann, 31 May 1956. AFON-1A1, Report No. IR-1434-56, 9 pp. * (See also DRB translation, AD-128100)
- Burkhanov, V. F., The Arctic and Antarctic Programs of the USSR: Toward Antarctic Shores. (K beregam Antarktidy.) Publ. by Morskoi Transport, Moscow, 1956. Transl. by C. B. Copas, August 1957, USAF Report No. IR-1708-57, AFCIN-1A1, 1129237, 9 pp. *

- Rukhmanov, V. F., Achievements of Soviet Geographic Exploration and Research in the Arctic. In: "Across the Ocean on Drifting Ice." (Cherez Okean na Dreifuyushchikh L'dakh.) 1956. Transl. by E. R. Hope, DRB, Canada, July 1957, T253R, 26 pp. *
- Buvert, V. V., et al., Snow and Ice as Materials for Road Construction. (Sneg i led kak dorozhnoostroitel'nyematerialy.) From: "Overland Hauling of Logs." (Sukhoputnyi transport lesa.) Moscow, Goslesbumizdat 1951. Transl. by N. T. Zikeeve and K. Martinoff, SIPRE Tr. #54, May 1957, 9 pp. *
- Byzov, N. P., Some Peculiarities in the Distribution of Winds Over Ashkabad According to Data of Pilot-Balloon Observations for the Year 1928. USSR, Turkoman Meteorological Bureau, Ashkabad, 1929. Transl. 24 pp. (ATI-27982) *
- Chokotillo, A. M., Use of Snow, Ice and Frozen Ground in Fortifications. (Primenenie snega, l'da i merzlogo grunta v fortifikatsii.) Voennoe Izdatel'stvo Narodnogo Komissariata Oborony, 1943. Transl. by A. Assur, SIPRE, 1954, 26 pp. *
- Chernigovskii, N. T., Actinometric Observations. (Aktinometricheskie Nabludeniia.) From: "Ekspeditsiia na samolete SSSR N-169 v raion Poliusa nedostupnost." Moscow, Izd. Glavmormorputi, 1946, pp. 155-161. Transl. 1954, 10 pp. incl. figs. tables. (AD-41661) *
- Chukanin, K. I., Meteorological Observations. From: "Observational Data of the Scientific-Research Drifting Station of 1950/51," Vols. I-III. (Materialy nabludeniia nauchno issledovatel'stvo Dreifuyushchei stantsii 1950/51 goda.) Izdatel'stvo Morskoi Transport, Leningrad, Vol. III, Sect. 8, Art. 1, 1954-55. Transl. by D. Draus, AMS for GRD, 1956. (Contract AF 19(604)-1936) (AD-117139) *
- Conrad, V., The Climatological Elements and Their Dependence on Terrestrial Influences. (Die Klimatologischen Elemente und ihre Abhängigkeit von terrestrischen Einflüssen.) Parts I-II-III (incomplete) From: "Handbuch der Klimatologie," ed. by Köppen and Geiger, Vol. I, Part B, Borntraeger Bros., Berlin, 1936. Transl. circa 1942. Part I, pp. 107-156, Part II, pp. 157-404, incl. photostat figs., type-script tables, text mimeograph. (ATI-161133) *
- Danishvskiy, G. M., Human Acclimatization in the North. (Akklimatizatsiya Cheloveka na Severe.) Transl. of Chapters 7, 10, 13, 14, 16, Moscow, Publ. by Medgiz, pp. 131-152. Transl. 117 pp. 15 May 1956. *
- Deriagin, K. M., Introduction to Study of Bering and Chukchee Seas. (Vvedenie v izucheniye Beringova i Chukotskavo morei.) USSR, State Hydrological Institute, Leningrad, and Pacific Institute of Fisheries and Oceanography, Vladivostok, 1937. Transl. 1943. 6 pp. (ATI-120941) *
- Diem, M., Contribution to the Problem of Ice Formation. (Beiträge zur Frage der Vereisung.) Transl. of captured document, 27 Feb 1946, 16 pp. (ATI-25521) *
- Diem, Max, Snow Investigation. Dedicated to the Master of Snow Investigation, Professor W. Paulcke on his 70th Birthday, n.d. Transl. by Milroy N. Stewart, 14 pp. n.d. *
- Dieminger, W. The Ionosphere. (Die Ionosphäre.) From: "Zahlenwerte und Funktionen aus Physik, Chemie, Astronomie, Geophysik und Technik," Vol. 3, 1932, pp. 719-728. Transl. July 1954, 25 pp. incl. tables, refs. (AD-35730) *

- Diubluk, A. F., The Development and Motion of Surface and Upper Pressure Centers in the Light of Hydrometeorological Theory of I. A. Kibel. Transl. 1945? 16 pp. (ATI-113125) *
- Diubluk, A. F. and Dzerdzeyevskii, B. L., Handbook of Local Weather Indications. (Based on the work of A. Diubluk, supplemented by B. L. Dzerdzeyevskii.) Hydromet. Publ., Moscow, Sverdlovsk, 1943. Transl. 1945, 158 pp. typescr., photostat figs. (ATI-110461) *
- Dolukhanov, M. P., Radiowave Propagation. 7.7. Effect of Meteorological Regions in the Lower Layers of the Atmosphere on Ultra Short-Wave Propagation Conditions. Gosud. Iz. Lit. po Vopr. Svyazi i Radio, Moscow, 1952, pp. 436-462. Transl. 33 pp. (For sale by Morris D. Friedman.)
- Dorodnitsyn, A. A., Method of the Integral Relations for the Numerical Solutions of Partial Differential Equations. Published by the Inst. of Exact Mechanics and Computing Technique, the Academy of Sciences of USSR, Moscow, 1958. Transl. 32 pp.
- Dubentsov, V. R., and Vitvitskaya, Z. M., Manual: Construction and Analysis of Synoptic Maps and Aerological Charts and Diagrams. (Rukovodstvo po sostavleniu i obrabotke sinopticheskikh kart i aerologicheskikh materialov.) USSR, Hydromet. Service, Moscow and Sverdlovsk, 1943. Translation, 1944, 137 pp. typescr., photostat figs. (ATI-137072) *
- Dubravyn, A. I., Airplanes in Arctic Conditions. (Samolety v arkticheskikh usloviakh.) Leningrad, ONTI, 1936. Transl. U. S. Hydrographic Office Library, 4 pp.
- Duletova, T. A., Making Use of the Regularity of the Natural Synoptic Period for Predicting the Weather for a 3-day Period, 1943. (Transl. 25 pp. (STI-ATI-205557) *
- Dzerdzevskii, B. L., The Circulation of the Atmosphere in the Central Polar Basin. Vol. II, Part 3, of "Reports of the Drifting Station 'North Pole'." (Trudy Dreifuuschei Stantsii Stantsii 'Severnyi Polius'.) Northern Sea Route Admin., Leningrad 1941-45. Transl. June 1954, 210 pp. mimeograph, incl. tables and figs. (AD-60201) * also (STI-ATI-202561 and AD-60203)
- Dzerdzevskii, B. L., Circulation Models in the Troposphere of the Central Arctic. Akad. Nauk SSSR, Moscow, 1948. Transl. 1954, 40 pp. (AD-60602) *
- Dzerdzevskii, B. L., Excerpts from: Meteorological Service of the Expedition. Vol. II, Part 2, of "Reports of the Drifting Station 'North Pole'." (Trudy Dreifuuschei Stantsii 'Severnyi Polius'.) Northern Sea Route Admin., Leningrad 1941-45, pp. 37-50. Transl. June 1954, 23 pp. *
- Ekhart, E., The Wind System of the Upper Stratosphere. (Zur Kenntnis der Windverhältnisse in der oberen Stratosphäre.) Reichsamt für Wetterdienst, Berlin, 1940. Transl. 24 pp. (ATI-120366) *
- Escobar, Ismael, V., Contribution to the Study of the Weather in Bolivia. General Bureau of Agriculture, La Paz, Bolivia, 1943. Transl. 1944, 51 pp. (ATI-113116) *
- Fedorov, E. K., Astronomical Computations, Vol. I, Part 5, of "Reports of the Drifting Station 'North Pole'." (Trudy Dreifuuschei Stantsii "Severnyi Polius".) Leningrad, 1940. Excerpts translated, June 1954. *

- Fedorov, E. K., Meteorological Instruments and Observations, Vol. II, Part I, of "Reports of the Drifting Station 'North Pole'." (Trudy Dreifukshei Stantsii "Severnyy Polus") Leningrad, 1941-45. Transl. June 1954. * (See AD-60203) *
- Ferraguti, M., and Marimpietri, L., Patent No. 49559, Improvement of Rain Making Rockets, (Perfezionamento Nei Razzi Imbriferi.) Transl. ATIC-298598-B; F-TS-16043/V, 27 March 1954, 5 pp. (AD-128670) *
- Ferraz, J. de Sampaio, Weather Forecasting in Brazil from Local Observations. Reprinted as Gt. Britain Naval Met. Branch, Memo 98/40, 13 pp. (ATI-110387) *
- Filatov, --, Soil Cover of the Tundra Zone, Chapt. 8. From: "Soils of the USSR," 1945. Transl. 40 pp. photostat, poor legibility. *
- Flohn, H., Report on the Celebration of the Meteorological Society, Bad Kissingen, May 1952, in Memory of the Discovery of the Stratosphere (1902). Transl. by C. V. Hendricks, 5 pp. May 1952. *
- Foltzik, L., Visibility and Its Recording. (Die sichtweite und ihre registrierung.) German Monograph, 15 Oct 1955. Presented at the Annual Meeting of the Scientific Society for Air Travel. Transl. March 1956. Report No. 00-M-1047, 10 pp. *
- [France, Office Nat. Met.]: Visibility and Fog at Certain German Cities and Aerodromes. Transl. of excerpt from: "Notice Climatologique sur l'Allemagne," Office Nationale de Meteorologie, Paris, 1944, 10 pp. USAF 9th AF Weather Service, Tech. Paper No. 6, 12 January 1945. *
- Frolow, Serge, Climatological Report, Station Meteorologique Principale de Fort-de-France (Desaix), Fort-de-France, Martinique, F.W.I. Transl. by R. E. Valensi, July 1944, 10 pp. *
- Frolow, S., On Moving Disturbance of the Pressure Field in the Caribbean Area. (Sur les Perturbations mobiles du Champ de Pression dans la Region Caraibe.) Transl. circa Nov 1944, 22 pp. (ATI-137079) *
- Frolow, S., Note on the Utilization of Pressure Variation Charts. Transl. circa 1945, 8 pp. (ATI-137076) *
- Frolow, S., Atmospheric Disturbance of 29 April 1944 in the Caribbean Region. Transl. circa Feb. 1945, 14 pp. (ATI-137077) *
- Fucks, W., On the Suitability of a Dark Current Discharge for the Measurement of Flow Velocities of Gases (Dark Current Anemometer). (Über die Eignung der Vorstromentladung zur Messung von Strömungsgeschwindigkeiten von Gasen (Vorstromanemometer).) ZWB UM 1202, April 1944. Transl. CNRC No. TT-44, 1947, 56 pp. *
- Fucks, W., Dark Current Anemometer With Radioactive Initial Ionization. (Vorstromanemometer mit Radioaktiver Vorionisierung.) ZWB UM 1205 (1944?). Transl. CNRC No. TT-55, 1948, 3 pp. *
- Fucks, W., The Silent Dark Current Discharge in Air at Atmospheric Pressure and its Anemometrical Application. (Über die Stille Vorentladung in Luft von Atmosphärendruck und ihre Anemometrische Verwendung.) ZWB UM 1299, May 1944. Transl. CNRC No. TT-78, 1948, 14 pp. plus figs. *

- Gaertner, H., The Transmission of Infrared in Cloudy Atmosphere. Berlin, circa June 1942. Transl. based upon British Admiralty, ATR translation revised by members of Bureau of Ships, Bureau of Ordnance, and the Naval Ordnance Laboratory, Washington, NAVORD Report No. 429, June 1947, 67 pp. *
- Gayvoronskiy, I. L., and Petunin, I. M., Organization of an Agrometeorological Station. (Kolhoznoyaya Agrometeorologicheskaya Stantsiya.) Moscow, 1952, pp. 9-29. *
- Geers, A. A., Handbook on Radio Sounding of the Atmosphere for Aerological and Meteorological Stations in the Arctic, 1947. Transl. U. S. Hydrographic Office Library, 37 pp.
- Geiger, R., Microclimate and Phytoclimate. In: "Handbuch der Klimatologie," Vol. I, Part D, 1930, pp. D32-D46. (Transl. for sale by John Crerar Library.)
- Georgii, Walter, Aeronautical Meteorology. (Flugmeteorologie.) Akademische Verlagsgesellschaft MBH, Leipzig, 1927. Transl. 1942, 405 pp. (ATI-120867) *
- Georgii, Walter, The Meteorological Basis of Soaring. Translation from French, from: Les Bases Meteorologique de Vol a Voile, Service de Doc. et d'TAF Tech. d'Aeron, Dept. C. T. O., Paris, 1946. (ATI-121941) *
- Georgii, Walter, A Report by the Committee of Stratospheric Research for the Operative Years 1938/1939 to 1940/1941 and 1941/1942. Transl. from German by Air Documents Division, 1945, 14 pp. (ASTIA)
- Georgii, W., Problems of Jet Stream Navigation. Transl. from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen, 8 pp. (Appendix 14) (AD-134529) *
- Germany, Kriegsmarine, Oberkommando, Siberian Seeway. (Die Naturverhältnisse des Sibirischen Seeweges). Publ. by German Navy High Command Study, 1940. Navy Transl. 1294/ONI A-665, 23 April 1956, 205 pp.
- Germany, Reichsamt für Wetterdienst, Flight Climatology, Balkans, Vol. 2, Greece - Western Turkey. (Flugklimatologie, Balkan, II, Griechenland - westl. Türkei.) Berlin, 1940. Transl. ATIC. Wright Patterson AFB, TI-394, MIF-2, F-TS-7251-RE. (NAD-80093) *
- Germany, Reichsamt für Wetterdienst, The Flying-Weather in the Area of the Barents-Sea. (Das Flugwetter im Gebiet der Barents-Sea.) 1943. From: "Luftgeographisches Einzelheft, Spitzbergen und Baereninsel." Transl. 36 pp. n.d., figs in original. *
- Germany, Naval High Command, Chief of the Naval Weather Service, Manual on the Execution of the Duties of Naval Weather Troops, Vol. 1, Service Manual for the Navy Radiosonde RS 3. Wilhelmshaven (Griefswald), Naval Observatory, 1941. Transl. 36 pp. (ATI-164762) *
- Germany, Luftnachrichtenschule, Meteorology, Vol. 2, Meteorology for Radio Operators. (Wetterkunde, Heft 2, Wetterkunde für Bordfunkler.) Luftnachrichtenschule Halle (Salle), April 1943. Transl. 7 pp. (ATI-19534) *
- Germany, Deutsche Seewarte, Hamburg, Poor Visibility at Iceland and East Greenland. Published by High Command of the German Navy, 1940. Transl. 1950, 25 pp. (ATI-80572) *

- Germany, Reichsluftfahrtministerium, Radio Meteorograph Data Part I - Description and Technical Specifications for the Radiosonde RfW Modell Lang. (Verschrift für de Radiosonde RfW Modell Land.) Reichsluftfahrtministerium, DL 1704/1 Berlin, December 1942. Transl. July 1947, 24 pp. (ATI-25607) *
- Germany, Luftwaffe, Weather Instructions for Flying - NW Balkans. (Flugmeteorologische Hinweise - NW Balkan.) Reichsamt für Wetterdienst, Berlin, 1944. Transl. 24 pp. attached to German original. (ATI-110447) *
- Germany, Luftwaffe, Weather Instructions for Flying - Italy and the Alps. (Flugmeteorologische Hinweise.) Reichsamt für Wetterdienst, Berlin, 1944. Special reprint from Air Geographical Description, Italy, Vol. 1. (Luftgeographische Beschreibung - Italien, Band 1.) Transl. n. d., 44 pp. attached to German original. (ATI-120788) *
- Germany, Reichsamt für Wetterdienst, Presentations and Discussion at the Special Conference on 'Ozone' held at Tharandt on April 17-18, 1944. (Arbeitskreis meteorologie vortage und diskussionen der sondertagung 'Ozone'.) Transl. NRL No. 140, 1948, 79 pp. *
- Germany, Weather Service, Yearly Average of Temperature, Air Pressure, and Air Density at the Lindenberg Observatory. (Jahresmittel von Temperatur, Luftdruck und Luftdichte am Observatorium Lindenberg.) Der Präsident des Reichsamtes für Wetterdienst, Lieberose, 25 Oct. 1944. Transl. 3 pp. (ATI-52232) *
- [Germany]: Flight Climatic Survey of Turkey, 1941. Translator not cited, ii pp. n. d. *
- [German]: Report on the Meeting on Radar and Meteorology - June 26/27 1956, at Essen. Transl. by Tech. Support Div., 2nd Weather Wing. 1st paper: Dr. Hinzpeter, "Some Principal Ideas Concerning the Application of Radar to Meteorology."
- Appendix I. Prof. H. Israel "The Location of Atmospherics, A Historical Review." (AD-134307) *
- Appendix II. Prof. J. Lugeon, "A Short Period of the Communication." (AD-134208) *
- Appendix IV. Dr. L. Koenigsfeld, "On the Measurement of the Potential Gradient and of the Electric Conductivity of Air by Means of Radio-Soundings." (AD-134310) *
- Appendix V. Dr. Ing. K. Brocks, "A General View of the Possibilities of Radar for a Qualitative and Quantitative Comprehension of Certain Meteorological Phenomena." (AD-131521) *
- Appendix VI. Dipl. Ing. Werner Schulze, "Observations of Cumulonimbi With the 10cm Radar Implement G L III." (AD-134522) *
- Appendix VII. K. Rawer, "Wind Measurements in the Ionosphere by Means of Radar." (AD-134530) *
- Appendix VIII. Dr. B. Abild, "Weather Influence Upon vhf Propagation (Range and Radiolocation)." (AD-134523) *
- Appendix IX. P. Misme, "Fading by Interference Caused by Frontal Discontinuities." (AD-134524) *
- Appendix X. K. Brocks, "Radar Ranges at Sea, Results of an Investigation into the Meteorological Influences." (AD-134525) *

Appendix XI. Dr. Rixecker. "The Utilization of Harbour RADAR for Meteorologically Advising Navigation When Loading and Unloading Ships." (AD-134526) *

Appendix XIII. Dr. Ing. Hans J. Zetzmann, "The Visual Range and Its Importance in the Aeronautics." (AD-134528) *

Appendix XIV. Dr. Walter Georgii, "Problems of Jet-Stream Navigation." (AD-134529) *

[Germany]: Program of the German Meteorological Society's Convention, (Branch Club), Bad Kissingen, 27 Sept. - 4 Oct 1952. Transl. USAF, ATI Branch, 1954, 25 pp. *

[Germany]: Report of a Meeting of the Scientific Association of Aviation - WGL - in Freiburg/Breisgau, 26 Feb 1958; Stratosphere and Ionosphere. Transl. USAF, ATI Branch, IR-333-58, 1188581, 1958, 5 pp. *

[Germany]: Technical Data of the Ceilometer. (Technische Daten des Wolkenhoehenmessers.) Letter 24 Sept. 1957. Transl. ATIC F-TS-9484/III, 4 pp.

Girs, A. A., Interrelation of Processes in the Atmosphere and Hydrosphere. Polar Projects of the Central Office of the Northern Sea Route, Ministry of the Sea Fleet, Arctic Res. Inst., Moscow, Leningrad, U.S.S.R. (OP-63A3) 1956. Transl. by Nina A. Stepanova, Weather Bureau, 1956, 45 pp. *

Gol'tsberg, I. A., Microclimate and Its Importance in Agriculture. (Mikroklimat i Yego Znachenie v Sel'skom Khozyaystve.) Leningrad, 1957, pp. 1-68. Transl. US JPRS/DC-L-657. *

Gol'tsman, M. I., Measurement of Humidity. Transl. of Chapter III of Russian Book, "Fundamentals of Aerophysical Measurements," 1950, 66 pp. 1955. *

Gordienko, P., Arctic Ice Drift. Report to the International Conference on the Study of Sea Ice, at Washington, D. C., 1958. Transl. 26 pp. *

Grishin, N. I., Instructions for Observations of Noctilucent Clouds. (Instruktsiya dlia nabludeni serebristyykh oblakov.) Akademiya Nauk SSSR, 1957, Moscow, 22 pp. figs. tables and refs. Transl. by John Miller, AMS for GRD, Contract AF 19(604)-1936, June 1957.

Gudkovich, Z. M., Depth Soundings. From: "Observational Data of the Scientific Research Drifting Station of 1950/51." (Materialy nabludenii nauchno issledovatel'skoi driefuiushchei stantsii 1950/51 goda.) Vol. I, Sect. 1, Art. 2, 1954/55. Izdatel'stvo Morskoi Transport, Leningrad, 3 Vols. Transl. by E. R. Hope, DRB, Canada. (AD-117132) *

Gudkovich, Z. M., Results of a Preliminary Analysis of the Deep-Water Hydrological Observations. From: "Observational Data of the Scientific Research Drifting Station of 1950/51." (Materialy nabludenii nauchno issledovatel'skoi driefuiushchei stantsii 1950/51 goda.) Vol. I, Sect. 2, Art. 5. Izdatel'stvo Morskoi Transport, Leningrad, 3 Vols. Transl. by David Kraus, AMS for GRD, 1956. (Contract AF 19(604)-1936. (AD-117133) *

Gudkovich, Z. M., Water Temperature Observations and Collection of Samples for Chemical Analysis. From: "Observational Data of the Scientific Research Drifting Station of 1950/51." (Materialy nabludenii nauchno-issledovatel'skoi driefuiushchei stantsii 1950/51 goda.) Vol. 1, Sect. 1, Art. 3, 1954/55. Izdatel'stvo Morskoi Transport, Leningrad. Transl. by E. R. Hope, DRB, Canada. (AD-117132) *

- Gullmet, B., Weather in Indo-China as Pertains to Aerial Navigation, Saigon, Indo-China, n. d. Transl. USAF, AF 225171, 18 Sept. 1959, 23 pp. *
- Haffner; Klenke; and others, A Short Report on the Convention of the Fraunhofer Institute on Solar Physics. (Kurzer Bericht ueber die Arbeitstagung der Reichsstelle fuer Hochfrequenzforschung.) (BHF) Fraunhofer-Institut, Wendelstein, Oberbayern, Jan 1944. Transl. 23 pp. (ATI-47450) *
- Harang, L., The Aurorae. (Polarlicht.) From: "Zahlenwerte und Funktionen aus Physik, Chemie, Astronomie, Geophysik und Technik," 6th Ed. ed. by Lundolt-Bornstein, Berlin, Springer, Vol. 3, 1952, pp. 767-774. Transl. by AMS for GRD, May 1954, 13 pp. (AD-32341) *
- Held, A., and Dietz, O., Experiments on the Reduction of Condensation Trails by a Mixture of CS₂ to the Fuel. ZWB/UM Report V and E 751, 1944. Transl. U.S. Dept. of Commerce, Publication Board Report No. 96113, also RTP/TIP (British) No. 10/5628T. Ministry of Supply. (ATI-54510) *
- Hempel, --, Visibility in Rain. (Regensicht-Vorversuche.) FSD O Kobue. Stroemungstechnik, Dessau. Versuch No. 13891/92, 8 Nov. 1940. Transl. by Polamold Res. Lab., Springfield, Ohio, 4 pp. (ATI-28202) *
- Hess, D., The Physical Constants of Ice and Ice Under Pressure. (Physikalische Konstanten des Eises und Eis unter Druck.) From: "Handbuch der Geophysik," Vol. 11, 1933. Transl. U. S. Hydrographic Office Library, 9 pp.
- Hesselberg, F., and Christensen, H., The Task of the Air Weather Service Seen in Relation to Weather Conditions on Routes and Airfields in Norway. (Norwegian) March 1951. Transl. USAF AF-322262-T (A-170-51) July 1951. *
- Hinzpeter, --, Some Principal Ideas Concerning the Application of Radar to Meteorology. Transl. from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen. (AD-134306) *
- Hoffmeister, J., Results of Two Years Measurements of Abnormal Brightness of the Night Sky. (Ergebnisse zwei Jahriger Messungen der Intensitat des Nachthimmellichts.) Transl. 46 pp. (ATI-79271) *
- Holzappel, R., et al., Table of Contents to the Results. (Die Ergebnisse.) Part 2, Vol. IV, of "Wissenschaftliche Ergebnisse der deutschen Grönland-Expedition, A. Wegener, 1929 und 1930-31." Transl. 10 pp. (ATI-27955) *
- Hubert, H., On the Larger Cloud Masses of West Africa: Extended Systems of Cumulonimbus. From: "Nouvelles Etudes de la Météorologie de l'Afrique Occidentale Française," Paris, 1928. Transl. New York Univ., Dept. of Meteorology, in: "Weather Analysis of the Tropical Atlantic," Part II, pp. 197-207. (ATI-117992) *
- Hubert, H., On Weather Forecasting at Dakar. From: "Nouvelles Etudes de la Météorologie de l'Afrique Occidentale Française," Paris, 1928. Transl. New York Univ., Dept. of Meteorology, in: "Weather Analysis of the Tropical Atlantic," Part II, 1940, pp. 213-220. (ATI-117994) *

- Iakovlev, G. N., Study of the Morphology of the Ice Cover by Surveying. From: "Observational Data of the Scientific-Research Drifting Station of 1950-51." (Materialy nabludeni nauchno issledovatel'skoi dreifuushchei stantsii 1950/51 goda.) Vol. II, Sect. 5, Art. 2, 1954/55. Izdatel'stvo Morskoi Transport, Leningrad. Transl. by David Kraus, AMS for GRD, 1956. (AD-117136) *
- Iakovlev, G. N., The Thermal Regime of the Ice Cover. From: "Observational Data of the Scientific-Research Drifting Station of 1950/51." (Materialy nabludeni nauchno issledovatel'skoi dreifuushchei stantsii 1950/51 goda.) Vol. II, Sect. 7, Art. 4, 1954/55. Izdatel'stvo Morskoi Transport, Leningrad. Transl. by David Kraus, AMS for GRD, 1956. (AD-117138) *
- Iakovlev, G. N., Visual Observations of the State of the Drifting Ice Cover. From: "Observational Data of the Scientific-Research Drifting Station of 1950/51." (Materialy nabludeni nauchno issledovatel'skoi dreifuushchei stantsii 1950/51 goda.) Vol. II, Sect. 5, Art. 1, 1954/55. Izdatel'stvo Morskoi Transport, Leningrad. Transl. by David Kraus, AMS for GRD, 1956. (AD-117136) *
- Idrac, J., Ice Warning Devices. Publ. by the Groupement Francais pour le Developpement des Recherches Aeronautiques (GRA), Paris 1945. Transl. in Tech. Report No. 31, Eng. Res. Inst., Univ. of Michigan, 1955, 48 pp. (AD-19698) *
- Israel, H., The Location of Atmospherics, a Historical Review. Transl. from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen, 24 pp. (Appendix I) (AD-134208) *
- Ivanov, K. Ye., et al., Deformation of an Ice Cover Under Moving Loads. Physico-Technical Inst., Acad. of Sci., USSR, Leningrad, 25 July 1945. Transl. by Res. and Dev. Board, May 1947. *
- Ivanov, B. G., Evaporation Under Natural Conditions. USSR Central Administration of the Hydrometeorological Service of the Red Army, Hydromet. Publ. Leningrad, 1939. Transl. 1945, 225 pp. (ATI-113198) *
- Izvekov, B. I., and Kochin, N. E., Dynamic Meteorology, USSR Hydromet. Service, Leningrad Div., 1935. (Transl. of Table of Contents, and Part I, Chapter 6, paras 11 and 12, pp. 267-294 only.) Transl. 31 pp. (ATI-113177) *
- [Japan]: Japanese Instructions on Fog Observations. Transl. from a captured document, 30 January 1944. ATIS Report No. 1752, Met. Series No. 107, 5 pp. *
- [Japan]: Japanese Instructions on Squall Observations. Transl. from a captured document, 30 January 1944. ATIS Report No. 1741, Met. Series No. 106, 2 pp. *
- Japan, Central Meteorological Observatory, Guide to Observation of Atmospheric Radioactivity. Mimeogr pamphlet, February 1955, 50 pp. Transl. 500th MI Sv Gp (Military Intell. Serv. Gp. U.S.) Transl. No. 91479-D. (EDC Oct 1956)
- Japan, Central Meteorological Observatory, Manual on Radiosonde, Chapter I, Sect. 1-5, of Guide to Upper Air Soundings, (Koso Kansoku Shisaku) Tokyo, March 1951, pp. 1-27. Transl. 30 pp. 1955. (AD-63718) *
- Japan, Hydrographic Office, Japanese Sailing Directions, Vol. 1B, Northwest and North Coast of Honshu and Take Shima, 1940. Transl. as H. O. Misc. No. 10,361, 212 pp. *

Japan, Hydrographic Office, China Climatological Tables; Supplement to Military Weather Records, Vol. 2, May 1940. Transl. CINCPAC-CINCPA, Item No. 9053, 91 pp. *

[Japan] Monsoonal Landscape and Its Special Characteristics. Transl. of Chapt. IIIA of a Japanese book titled Landschaft, 1929, revised 1943. Prepared by Hq 500th MIG, Nov 1954, 8 pp. * (See also article by Watsuji, T., below)

Junge, Christian, Report on the Scientific Activity in the Meteorological Institutes of the German Federal Republic During the Last Few Years, Jan 1953. Transl. USAFE, ATI-931-53, TIC-4694 and ATI-373-53, May 1953, 29 pp. *

Kalinovskii, A. B., and Pinus, V. Z., Aerology. Transl. of pp. 341-350 of Aerologiya, 1951, Leningrad. Transl. March 1956, 18 pp. *

Kalinovskii, A. D., and Pinus, V. Z., Radiosonde Method. (Chapt. VIII); Rocket Use for Atmosphere Probing (Chapt. XII), in "Aerologiya," 1951, Moscow. Transl. April 1955, 66 pp., AFON-3A, AF 662585. *

Kampe, H. J., aufm, Visibility and Water Content in Cloud. (Sichtweite und Wassergehalt in Wolken.) ZWB/UM No. 3541, 1944, Berlin. Transl. in "Monthly Bulletin Mt. Washington Observatory," Vol. 12, No. 9, Sept. 1946. (See also Journ. of Meteorology, Vol. 7, No. 1/2, 1950.) *

Kampe, H. J., aufm, Investigation and Plans for Exploration of the Stratosphere up to a Height of 50 km. (Bericht über Untersuchungen und Planungen zur Forschung der Stratosphäre bis etwa 50 km Höhe.) Transl. May 1947, 42 pp. (ATI-72822) *

Kampe, H. J., aufm, Condensation and Sublimation in the Upper Troposphere. (Kondensation und Sublimation in der oberen Troposphäre.) Deutsche Forschungsanstalt für Segelflug, Ahring, 24 Jan 1942. Transl. 30 pp. (ATI-19524) *

Kanaki, E. G., and Blagodarov, V. E., Aerological Observations. From: "Observational Data of the Scientific-Research Drifting Station of 1950/51." (Materialy nauchno issledovatel'skoi drefluishelei stantsii 1950/51 goda.) Vol. III, Sect. 9, Art. 2, 1954/55. Izdatel'stvo Merskoi Transport, Leningrad, Transl. by David Kraus, AMS for GRD, 1956. (Contract AF 19(304)-1936) (AD-117140) *

Kapterev, P., New Data on the Revival of Organism From Permafrost Ground. Publication not cited, n.d., Transl. 4 pp. n.d. *

Karelin, D. B., et al., Ice Reconnaissance by Air. (Ledovaya Aviatsionnaya Razvedka.) Moscow-Leningrad. Izdatel'stvo Glavsevmorputi, 1946. Transl. U.S. Hydrographic Office Library, 295 pp.

Karelin, D. B., Water Masses, Drift. (Vodnye Massy, Drel.) Excerpt from: "More Laptevykh" (The Laptev Sea) 1946, pp. 142-155. Transl. August 1944, 19 pp. (AD-32357) *

Karelin, D. B., Air Expedition to High Latitudes of the Arctic in 1941. Transl. Stefansson Library. In: "Investigation of Construction and Maintenance of Airdromes on Ice, 1946-47," pp. 203-214, Soils Lab., New England Division Corps of Engineers, May 1947. (AD-141181) *

Kashin, K. I., Brief Instructions for the Diagnosis and Forecast of Temperature, Pressure, and Wind Velocity. Hydrometeorological Publ. Office, Sverdlovsk, Moscow, 1942. Transl. 1943, 47 pp. (ATI-120338) *

- Kashin, K. L., Handbook for the Construction and Analysis of Vertical Cross Sections of the Atmosphere. (Rudovodstvo k postroeniiu i analizu vertikal'nykh razrezov atmosfery.) Hydromet. Publ. Office, Moscow, 1940. Transl. 73 pp. (ATI-113121) *
- Kashkarov, D. N., et al., The Cold Desert of Central Tyan-Shan. Results of the Leningrad State University Expedition, Summer 1943. (Kolodnaya Pustynia Tsentral'nogo Tyan'Shanya. Rezultaty ekspeditsii LGU, Letom 1934 g.) Leningradskii Gosudarstvennyi Universitet, Leningrad, 1937. Transl. of section Climate, (Klimate.) pp. 12-31, and excerpts of other materials of an introductory nature, 20 pp. (rough draft). (USA QM)
- Kaerner, R., and Knoernschild, E., Friction Laws and Energy Transfer in Circular Flow, (Part I); Energy Transfer in Circular Flow and Possible Applications (Explanation of the Hilsch or Ranque Effect), (Part II). Transl. Wright Patterson AFB, No. 78, Tech Report No. F-TR-2198-ND, March 1943, 41 pp. *
- Kedrovlianskii, V. N., and Sternatz, M. S., Information on Meteorological Instruments. From: "Meteorologicheskiye Pribory," Leningrad, 1953, pp. 2-9. Transl. August 1955, 9 pp. *
- Kedrovlianskii, V. N., and Sternatz, M. S., Resistance Thermometers, Thermocouple Thermometers, From: "Meteorological Instruments." (Meteorologicheskiye Pribory.) Leningrad, 1953, pp. 57-68. Transl. August 1955. *
- Keil, K., Meteorographs for Aerological Purposes. (Über Meteorographen für aerologische Zwecke.) Berlin, 1936. Transl. of selections only, 1943, 42 pp. (ATI-137082) *
- Kharglan, A. Kh., Physics of the Atmosphere. Gostekhizdat, 1953, 456 pp. with 220 figs. Transl. AF 653770, Encl. 2 to IR-371-55. *
- Khromov, S. P., Introduction to Synoptic Analysis. Hydrometeorological Publ., Moscow, 1937. Transl. 1945, 112 pp. (ATI-129467) *
- Khromov, S. P., Articles by S. P. Khromov Relative to Synoptic Processes in Eastern USSR. From: Khromov and Koncek: "Synoptische Meteorologie," Kapitel II, "Das Problem der Langfristigen Prognose," pp. 177-217. Transl. 1945, 11 pp. (ATI-120793) *
- Khromov, S. P., Synoptic Processes of the Far East. Hydromet. Publ. Service, USSR, Moscow, 1940. Transl. USAF, AF 478464.
- Khvostikov, I. A., Photometric Analysis of Night Sky Luminescence. (Fotometricheskii analiz svecheniia nochnogo neba.) Akademiia Nauk SSSR. Transl. of Chapt. IX, Section 8-13, 1948, pp. 293-333. April 1954, revised December 1954, 54 pp. Incl. illus. tables. (AD-47804) *

- Kurostikov, L. A., Night Sky Luminosity. (Svenchenie Nochnogo Neba.) Akademiya Nauk SSSR, 2nd ed., 1948. The following chapters have been translated: Cahanne's and Garrigue's Hypotheses, (Gipoteza Kabanna i Garriga.) 6 pp.; Night Sky Luminosity, (Svetimost sumerechnogo neba.) 48 pp.; The Role of Light Scattering in the Terrestrial Atmosphere, (Rol' rasseyaniya sveta v zemnoi atmosfere.) 5 pp.; Table of Contents, (Oglavlenie.) 7 pp.; Twilight-Sky Luminosity, (Svetimost sumerechnogo neba.) Chapt. VII, pp. 176-213. (AD-41666);* Hydrogen Lines in the Auroral Spectrum and the Problem of Noctilucent Clouds. (Vodorodnye Linii v spektre severnykh silanii i problema serebristykh oblakov.) Chapt. I, Sect. 6, pp. 20-29, 15 pp. (AD-36341);* The Temperature of the Upper Layers of the Atmosphere (up to 120 km), the Sodium Layer and the Noctilucent Clouds, (O temperatura vysshikh sloev atmosfery (do 120 km), o sloe natriia i o serebristykh oblakakh.) Chapt. IX, Section 16, pp. 457-462, (AD-41347);* Bibliography (Literatura), pp. 471-491. (AD-33282)* June 1954.
- Kir'yashina, Z. I., and Nosova, V. A., Electrolytic Hygrometers, Transl. of pp. 163-167 of "Mikroklimaticheskiye i Klimaticheskiye Issledovaniya v Prikazyskoy Nizmennosti." Moscow, 1953. Transl. 9 pp. May 1956. *
- Kist, M. Ia., et al., Training Atlas of Synoptic Charts - Chart Analysis. Hydromet. Publ. Service, Moscow, 1936. Transl. 1945, 58 pp. *
- Kleinschmidt, E. (Editor); and Albrecht, F., et al., Manual of Meteorological Instruments and Their Evaluations. (Handbuch Meteorologischen Instrumente und Ihre Auswertung.) Berlin, J. Springer, 1935, 733 pp. Transl. 1, 654 pp. typescr. (Microfilm). (ATI-120944) *
- Klingelhoefter, H., and Schnitzler, H., Experiments to Investigate Electrostatic Phenomena - 5th Report. (Untersuchungen von Aufladungserscheinungen 5 Bericht. Aufbau und Betrieb des Ionensaeblers "LS".) Arbeitsgemeinschaft Vorhaben, Peenemuende, 17/5g, June 1941. Transl. 6 pp. (ATI-20336) *
- Klingelhoefter, H., and Schnitzler, H., Experiments to Determine Electrostatic Phenomena - 8th Report. (Untersuchungen von Aufladungserscheinungen 8 Bericht Ionendichte in der Atmosphere unter 25 km.) Arbeitsgemeinschaft Vorhaben, Peenemuende, Archiv. 17/8g, June 1941. Transl. 1948, 27 pp. (ATI-19555)
- Klingelhoefter, H., and Schneller, E., Experiments to Determine Electrostatic Phenomena - 11th Report. (Ionization in an enclosed space. Ionisierung in abgeschlossenem Raum.) (Untersuchungen von Aufladungserscheinungen 11 Bericht.) Institute fur Technische Physik an der Technischen Hochschule, Darmstadt, April 1942. Transl. 1948, 11 pp. (ATI-32197) *
- Klingelhoefter, H., and Schnitzler, H., Experiments to Determine Electrostatic Phenomena - 7th Report. (Untersuchungen von Aufladungserscheinungen 7 Bericht. Aufbau und Betrieb des Ionensaeblers ("LS").) Arbeitsgemeinschaft Vorhaben, Peenemuende, PA 7/7g, June 1941. Transl. 1948, 7 pp. (ATI-20047) *
- Knoch, K., Climatology of South America. (Klimakunde von Sudamerika.) "Handbuch der Klimatologie" (Koppen and Geiger), Vol. 2, Part G, Berlin, 1930. Transl. 1942, 360 pp. (ATI-110446) *
- Kobeko, P. P., et al., Breakdown and Carrying Capacity of Ice. Physico-Technical Institute, Acad. of Sci., USSR, Leningrad, 26 June 1945. Transl. 5 pp. n.d. (AD-141184) *

- Kobeko, P. P. et al., Plastic Deformation and Viscosity of Ice. Physico-Technical Institute, Acad. of Sci., USSR, Leningrad, 25 June 1945. Transl. by Res. and Dev. Board, Tech. Bull. Branch, May 1947. *
- Koch, H. G., A Striking Decrease of the Sunshine Duration in Jena, 1952. Transl. USAFE, ATI-643-53, 12 pp. *
- Kochin, N. E., et al., Theoretical Hydromechanics. (Teoreticheskaya Gidromekhanika.) Publ. by OGIZ, Moscow, 1948. Transl. of 3 Chapters in AMC F-TS-7462, 981 pp. *
- Koenigsfeld, L., On the Measurements of the Potential Gradient and of the Electric Conductivity of the Air by Means of Radiosoundings. Transl. of a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen, 6 pp. (Appendix 4) (AD-134310) *
- Kolesnikov, A. G., On the Growth Rate of Sea Ice. Report to the International Conference on the Study of Sea Ice, held in Washington, D. C., 1956. Transl. 14 pp. *
- Kolobkov, N. V., Flights in Thunderstorms and Squalls. From: "Grozy i Shkvaly," Chapt. VIII, Sect. 45, and 46, pp. 312-316; Chapt. IX, Sect. 50, pp. 344-348, Moscow, 1951. Encl. to AFOIN-1A1-134-55 (AF-645522) *
- Kolobkov, N. V., Thunderstorms and Squalls. (Grozy i Shkvaly.) Moscow, 1939. Transl. of Chapt. 40: Water and Land-Spouts and Tornadoes; Chapt. 41: Markgraf's Comments on Wegener's Theory; Chapt. 42, Certain Comments by the Author on the Nature of Tornadoes. Transl. circa 1943, 23 pp. (ATI-110105) *
- Kolobkov, N. V., Aviation Meteorological Observations in USSR. (Aviameteorologicheskkiye Nabludeniya.) Moscow, 1954, pp. 3-10; 82-88; 115-169. Unedited translation, 64 pp. 1955.
- Kolobkov, N. V., Weather and Weather Forecasting. From: "Vremeto i Predvizhdane," 1951, pp. 27-29, 43-50, 59-63. Bulgarian translation from Russian. English translation, 9 pp. *
- Koloskov, P. I., Climatic Description of Southern Sakhalin. (Klimaticheskoye opisanie Iuzhnogo Sakhalina.) USSR Hydromet. Serv. Publ., Moscow, 1936. Transl. 49 pp. (ATI-110442) *
- Kondratiev, S. A., Meteorological Data of Outer Mongolia, 1926-28. Transl. from Japanese document: "North Manchuria-Russia Research Data No. 49 (Outer Mongolia Data No. 7)." 31 August 1936. Transl. Feb 1947, 13 pp. *
- Kondratyev, K. Ya., Transfer of Long-Wave Radiation in the Atmosphere. (Perenos Dlinnovolnovogo Izlucheniya v Atmosfere.) State Publication House of Technical-Theoretical Literature, 1950. Transl. ATIC 106309-A, F-TS-8158/V, AF 493587T, 164 pp. *
- Kondratyeva, A. S., Thermal Conductivity of the Snow Cover and Physical Processes Caused by the Temperature Gradient. (Teploprovodnost' snegovogo pokrova i fizicheskie protsessy, proiskhozhashchie v nem pod vliyaniem temperaturnogo gradienta.) Published in: Physico-mechanical Properties of Snow and Their Utilization in Airfields and Road Construction. Moscow-Leningrad. Akademiya Nauk SSSR, 1945, 11, 14-28. Transl. by Univ. of Minnesota. SIPRE Tr. No. 22. (AD-35124) *

- Kondratyeva, A. S., et al., The Physico-mechanical Properties of Snow and Their Application in the Construction of Airfields and Roads. (Fiziko-mekhanicheskie svoystva snega i ikh ispol'zovanie v aerodromnom i dorozhnom stroitel'stve.) Akademiia Nauk SSSR, 1945, 41 pp. (ATI-65356) * The following chapters have been translated: Increase of Density of Snow Under Comprehensive Loading. (Uvelichenie plotnosti snega pod vliyaniem szhimaiushel nagruzhki.) pp. 5-9; Change of the Mechanical Properties of a Snow Surface as a Function of Time (Hardening). (Izmenenie mekhanicheskikh svoystv snegovogo pokrova vo vremeni (zatverdenie.) pp. 10-13; Technological Analysis of Equipment Use in Compacting Snow. (Tekhnologicheski analiz orudii dlia uplotneniia snega.) pp. 28-42; Consolidation of Snow Surfaces by Depth-Processing. (Obrabotka snegovogo pokrova metodom peremeshivaniia i posledovatel'nogo razrusheniia.) pp. 43-48; Mechanization of Snow Removal Operations on a New Technological Basis. (Mekhanizatsiia snegouborochnykh rabot na novi tekhnologicheskoi osnove.); Method of Determining Hardness and Density of a Snow Surface. (O metodike opredeleniia tverdosti i plotnosti snegovykh pokrytii.) Translations published by Bureau of Yards and Docks, 1949, as NAVDOCK P-25. *
- Kopp, Walter and Holzapfel, R., Contributions to the Mechanics of the Course of the Weather Over Greenland. (Beiträge zum Mechanismus des Witterungsverlaufs über Grönland.) Vol. 4, Part 2, pp. 274-328 of "Wissenschaftliche Ergebnisse Deutsche Grönland-Expedition, Alfred Wegener, 1929 and 1930-31." Transl. 1942, 52 pp. (ATI-27955) *
- Kopp, W., Discussion of Results of East Station in the Scoresbysund Settlement. Excerpts from: "Wissenschaftliche Ergebnisse der Deutsche Grönland-Expedition A. Wegener 1929 und 1930/31," Vol. IV. Transl. 10 pp. 1942. (ATI-27955) *
- Koppen, W. and Geiger, R. ed., Handbook of Climatology. (Handbuch der Klimatologie.) The following sections are available in translation:
- Alt, E., "Climate of Central and Southern Europe." (ATI-113115) *
- Birkeland, B. J., and Foyn, "Climate of Northwestern Europe and Islands from Iceland to Franz Joseph Land." (ATI-120331) *
- Bisak, C., "Climatology of East-India and East-Indian Islands." (NAVAER 50-IR-61) *
- Conrad, V., "The Climatological Elements and Their Dependence on Terrestrial Influences." (ATI-161133) *
- Knoch, K., "Climatology of South America." (ATI-110446) *
- Sverdrup, H. U., "Survey of the Climate of the Arctic Ocean and the Canadian Archipelago." (Übersicht über das Klima des Polarmeeres und des Kanadischen Archipels.) *
- Petersen, H., "Climate of the Coast of Greenland." (Klima der Küsten von Grönland.) *
- Loewe, F., "Climate of the Greenland Inland Ice." (Klima des Grönlandischen Inlandseises.) *
- Kordsachija, von M., Klimatische Beschreibung von Grusien. Hauptverwaltung des Hydrometeorologischen Dienstes der UdSSR, Beim Rat der Volkskommissare der UdSSR. Verwaltung des Meteorologische Dienstes der SSR von Grusien. Hydrometeorologischer Verlag, Leningrad, 1937. Moscow. Transl. into German from Russian. *

- Korolev, L. N., Some Methods of Automatic Coding for BESM and Strela Computers. Published by the Inst. of Exact Mechanics and Computing Technique, the Academy of Sciences of the USSR, Moscow, 1958. Transl. 31 pp.
- Krinov, E. L., Spectral Reflectance Properties of Natural Formations. (Spektral'naya otrazhatel'naya sposobnost' prirodnykh obrazovaniy.) Laboratoriya Aerometodov, Akademiya Nauk SSSR, Moscow, 1947, 271 pp. Transl. National Research Council, Canada, Technical Transl. No. TT-429, 1953.
- Kudryavaya, K. I., Forecasting Heaving Sea. Chapter 8 of: "Maritime Hydrological Forecasts." (Morskoye Gidrologicheskoye prognozy.) Leningrad, 1951, pp. 218-242. Transl. 1954, 46 pp. and figs.
- Kuhlbrodt, E. and Reger, J., Aerological Methods and Aerological Observation Material. Vol. 15 of "Scientific Results of the German Atlantic Expedition of the Research and Survey Ship 'Meteor' (1925-1927)," 1933, De Gruyter & Co., Berlin-Leipzig. Transl. 1942, 39 pp. (ATI-27981) *
- Kulakov, A. A., and Shtal, V. A., The Chemical Arm and Defense Against Chemical Attack. (Khimicheskoye Oruzhie i Protivokhimicheskaya Oborona.) Chapt. III of "Military Meteorology." (Voennaya Meteorologiya.) Moscow, 1940. Beznoe izdatel'stvo Narodnogo komissariata oborny soluza SSSR, Moscow, 1940. Transl. Army Intell. Branch, Washington D. C., Tr. No. G-4743, 1297048, 68 pp. plus figs. *
- Kulakov, A. A., and Shtal, V. A., Soviet Military Meteorology Service. Part II of: "Military Meteorology." (Voennaya Meteorologiya.) Moscow, 1940, pp. 223-285. Transl. 1955, 73 pp. *
- Kulikov, K. A., The Motion of the Earth's Poles. (Dvizheniye Polysov Zemli.) Izdatel'stvo Akademiya Nauk SSSR, Moscow, 1958, p. 80. Transl. ATIC-284455, F-TS-10086/V, 82 pp. *
- Kunitz, A. W., Synoptic Meteorology. (Sinopticheskaya Meteorologiya.) Gidrometeoizdat, Moscow, Leningrad, 1947. Transl. ATIS, F-TS-7351-RE, 27 August 1952, 394 pp. *
- Küttner, J., Study on Condensation Trails, n.d. publication not cited. Transl. 4 pp. n.d. *
- Lakhtman, D. L., and Chudnovskiy, A. F., Physics of the Layer of the Air Near the Ground. (In series: "Contemporary Problems in Physics.") (Fizika Prizemnogo Sloia Atmosfery, Sovremennyye Problemy Fizika, Tsod Obshchey Redaktsii S. N. Vavilova; A. F. Ioffe; P. L. Lukirsvogo; V. A. Fova.) Publ. of Gosudarstvennoe Izdatel'stvo, Tekhiko-Toereticheskoye Literatury, Leningrad, 1949, Moskva, 251 pp. Translated for AMC 1951-52, under Report F-TS-7491-RE, AF-309975T (1-&), by Chas. A. Meyer & Co. Inc., Upper Nyack, N. Y., 350 pp. *
- Laktionov, A. F., The North Pole. (Severnyy Polys.) Excerpt from "A Sketch of the Journeys to Central Arctic, Soviet Scientific Investigations of the Central Arctic: A Physical-Geographical Sketch." Sea Transport Publishing, Moscow, 1955, pp. 347-426. Transl. by Kenneth R. Whiting, Documentary Res. Div., Research Studies Institute, Air University, December 1956, 104 pp. *
- Laktionov, A. F., Geomorphology and Geological Structure; Glaciers, and Climate. Chapt. II of Severnaya Zemlya, Leningrad, 1946. Tabular materials within portions translated are included, one outline map reproduced, other charts and figures omitted, n.d., 33 pp. typescr. (USA QM)

Laktinov, A. F., Three Chapters from "Severnnyy Polyus," Dealing With Soviet Polar Flights, (Moscow, 1955, pp. 294-305) *

Chapt. I: "Soviet Air Expedition in the Region of the Relatively Inaccessible Pole (1941)."

Chapt. II: "The Flight of M. A. Titlov to the North Pole (1945)."

Chapt. III: "The Soviet Air High Latitude Expeditions (1948-1950)." Transl. June 1957, 7 pp. *

Lange, E., Meteorologically Interesting Volta Potentials of H₂O Phases. (Meteorologische interessierende Voltapotentiale an H₂O Phasen.) BNH Physikalische-Chemisches Laboratorium der Universität Erlangen, Sept. 1941. Transl. 15 pp. 1946. (ATI-50150) *

Lappo, S. D., Ices, Chapt. VI of "Manual for Polar Men," Moscow, 1945. Transl. U. S. Hydrographic Office Library, 51 pp. typescr.

Lappo, S. D., Handbook for Polar Research Workers; Glossary in Oceanography; Climate; Zoology and Ethnology of the Arctic. (Spravochnaya Knizhka polarnika; Kratkie svedeniya o okeanografii; Klimat; Zhivotnom mire i naselenii Arktiki.) Moscow, 1945. Illustrated. Transl. includes: from Chapters (Terminology related to) I - Water Bodies, (Vodnye Prostranstva.) pp. 5-26; II. Land and Shore Belt Forms, (Formy sukhii i beregovoi polosy.) pp. 27-53; III. Relief and Surface of Shores (Coastal Topography), (Rel'ef i poverkhnost' beregov.) pp. 54-80; VII. Climate, (Klimat.) pp. 173-224; 64 pp. typescript (final draft), charts and figs. not reproduced; alphabetical indexing of terminology in progress (August 1951). (USA QM)

Leonteva, E. A., Climatological Outline of the Far Eastern Area. (Klimaticheskii Oчерk Dalnevostochnago Kraia.) Hydromet. Committee of the USSR and RSFSR, Central Geophysical Observatory, Bur. Mil. Met., Leningrad, 1933. Transl. 130 pp. 1944. (ATI-113128) *

Levamtovskiy, V. I., Story of Artificial Satellites. (Rasskaz ob Isskustvennykh Sputnikakh.) Publ. by Governmental Publishers of Technico-Theoretical Literature, Moscow, 1957. Transl. USAF, Report No. IR-126-58, 1209589, 2 Dec 1958, 70 pp. *

Levin, B. M., The Physical Theory of Meteors, and Meteoric Matter in the Solar System, Chapters I-III. (Fizicheskaya teoriya meteorov i meteornoe veshchestvo v. solnechnoi sisteme, Glavy I-III.) Transl. by J. Müller and D. Kraus, AMS, Contract No. AF 19(604)1926, 1956, 244 pp. (AD-110091) *

Libin, Ia. S., Hydrological Observations. (Gidrologicheskie Naблюждения.) pp. 74-123, from: Ekspeditsiya na samoletе SSSR-N-169 v raion "Poliusa Nedostupnosti" Nauchnye rezultaty, 1946. Transl. 1954, 64 pp. (AD-36246) *

Liotard, Andre Franck, et al., Antarctic Expedition. Preparatory campaign off Adelle Land 1942-49. Transl. 1953, 35 pp. (ATI 201371, ATI-201377) *

Loener, G., Investigation of the Problem of Projectile Dispersion. (Einige Untersuchungen zum Problem der Geschosstreueung.) Meppen an der Ems, 1944. Manuscript. Transl. 19 pp. n.d. *

- Loewe, F., Climate of the Greenland Inland Ice. (Klima des Kuesten von Grönland.) Translated and adapted from: "Climate of the Canadian Archipelago and Greenland." (Klima des Kanadischen Archipels und Grönlands.) "Handbuch der Klimatologie," Band II, Teil K., ed. by Koppen and Geiger, 1935. Translated and revised by Weather Information Service, Hq AAF, May 1943, Report No. 180. * (See Sverdrup)
- Lugeon, J., Direction Finding on Sterics of Today and Its Problems. (A Short Report) Translation from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen. (Appendix 2) (AD-134308) *
- Lu, Alfred, The Climate of China, n.d. Transl. 47 pp. manuscript. *
- Lu Wu, Weather Maps. (T'ien-chi Yu-Kao Hsueh), 4th edition, Shanghai, April 1951, pp. 1-13. Transl. 13 pp. *
- Lueder, H., Field Strength Variation Indicator as Storm Warning Device. (Feldstärkesprung-Gerät und Gewitterwarnung.) (BHF) Drahiotelegraphische und Luftelektrische Versuchsstation Graefelfing. DVG-193, Sept. 1949. Transl. 36 pp. 1948. (ATI-45745) *
- Lukashev, K. I., The Permafrost Region as a Special Physico-Geographic and Structural Region. (Oblast' vechnoi merzloty kak osobaya fiziko-geograficheskaya i stroitel'naya oblast.) Leningrad Izd. Leningradskogo Gosudarstvennogo Universiteta, 1938, 188 pp. Transl. by D. Kraus, AMS for GND, 26 Feb 1954. (ATI-36629) *
- Lutschg, Otto, On the Water Regimen of the Swiss High Alps. (Zum Wasserhaushalt der Schweizer Hochgebirges.) Presidential address at IGGU meeting, Washington, D. C., Sept. 1939, 26 pp. Transl. abstract, 3 pp. (ATI-120866) *
- L'vovich, M., Hydrology in the Union of Soviet Socialist Republic, April 1943. Transl. 17 pp. manuscript. (Available USWB Library, DWB PF 2471 (133).)
- Maier-Leibnitz, Heinz, The Psychrometer Constant. (Die Psychrometerkonstante.) Prepared at the AAF Aero Medical Center, Heidelberg, Germany, Oct 1946. Transl. 1946, 5 pp. (ATI-58036) *
- Maksimov, S. A., Introduction and Table of Contents of "Meteorology in Agriculture." (Meteorologiya i Sel'skoye Khozyaystvo.) 1955, pp. 3-6. Trans. JPRS/NY-268, 24 July 1958, 4 pp. *
- Matsushima, Tomio, "Rawin" Transmitter (Model CMO-W 49) and Method of Handling it. Chapt. 3 of "Manual on Upper-Air Observations." (Koso Kansoku Shisikin) Tokyo, 1951. Transl. 1952, 61 pp. typescript and original Japanese, 269 pp. (ATI-181804) *
- Menoux, Paul, Process of Combating Winds Caused by Depressions in General. Typhoons, Waterspouts, Tornadoes, or Other Phenomena. Patent No. 761-681. Transl. January 1958, 10 pp. * (Available in Dept. of Commerce, Scientific Library.)
- Mikhel, A. M., Calculation of Ballistic Wind in the Absence of Pilot Balloon Observation Data. Hydromet. Service Red Army, Central Geophysical Observatory. Transl. Jan. 1944, 65 pp. (ATI-113153) *

- Miliaev, N. A., Astronomical Observations. From: "Observational Data of the Scientific Research Drifting Station of 1950/51," Vol. II, Sect. 7, Art. 5, 1954/55. (Materialy nabludeni nauchno issledovatel'skoi driefuhushchei stantsii 1950/51 goda.) Izdatel'stvo Morskoi Transport, Leningrad. Transl. by David Kraus, AME for GRD, 1956. (AD-117138) *
- Misme, P., Fading by Interference Caused by Frontal Discontinuities. Translation from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen. (Appendix 9) (AD-134524) *
- Mizhnevich, V. V., Measurement of Pressure in the Upper Atmosphere. Paper presented by USSR delegation to IGY meeting in Washington D. C., Oct 1957. Transl. in: "Collection of Soviet Papers on Earth Satellites," Mass. Inst. of Tech., Lincoln Lab., 31 Oct 1957, reissued 13 Jan 1958, pp. 55-65. *
- Mogilevskii, E. I., Collection and Dissemination of the Daily Summary of Solar and Geophysical Data of the European-Asiatic Region. (O Sbere i Rasportstranenni Yezhednevnykh Svyokok Solnecnykh i Geofiz Danykh Yevropeysko-Aziatskogo Regions.) Moscow, 1957, pp. 1-7. Transl. JPRS/DC-L-114, 8 pp.
- Monin, A. S., The Mechanism of the Heating Up of Atmospheric Air Over Open Steppes. Translation of article on pp. 100-123 of: "O Mekhanizme Nagrevaniya Nozduka v Otkrytoi Stepi." Sbornik Izdatelstva, Akademiia Nauk, USSR. (Symposium Mikroklimaticheskie i klimaticheskie issledovaniia v Prikaspiiskolnizmennosti). Transl. by T. P. A. 3, Technical Information Bureau for Ministry of Supply, London, Tr. No. TIB/T4516, 24 pp. (AD-86492) *
- Mueller, H. G., Meteorological Instruments. (Meteorologische Instrumente.) Section 7, pp. 247-276, from: R. Mugge, "Meteorology and Physics of the Atmosphere, FIAT Review of German Science 1939-1948." Publ. Office of Military Government, 1948. Transl. 1952, 26 pp. and original. (ATI-66460) *
- Murzaev, Ed. M., The Climate of Mongolia, pp. 91-115, from: Mongolian People's Republic. A Physico-geographic description. (Mongol'skaya Narodnaya Respublika. Fiziko-geograficheskoe opisanie.) Akad. Nauk Institut Geografii, Moscow, 1948. Transl. Jan 1950, Special Report No. 32, Environmental Protection Section OQMG, 22 pp. (ATI-120323) *
- Murzaev, Ed. M., Soviet Middle Asia. (Srednyaya Aziya.) Akad. Nauk Institut Geografii. Nasha rodina-Populiarnye fiziko-geograficheskie i ocherki, Moscow, 1947. Translation of sections: Relief; Climate; Glaciers; Rivers; and Lakes. (Rel'ef; Klimat; Ledniki; Reki; i Ozero.) pp. 5-10 and 39-98, 43 pp. typescript (rough draft), tabular material within translated portion included, figs. and charts not reproduced. (USA QM)
- Naumann, Fritz, Streaming Motions in the Ionosphere. (Stroemungen in der Ionosphaere.) Doctoral Thesis, U. Koln, 23 pp. August 1953. Transl. 27 pp. (AD-34789) *
- Navarette, J. B., Study of Meteorological Conditions Along the Air Route Between Santiago and Buenos Aires. (Estudio sobre las Condiciones Meteorologicas de la Ruta Santiago-Buenos Aires.) Santiago de Chile, Direccion General de Talleres Fiscales de Prisiones, Taller Imprenta, 1930. Transl. 7 pp., combined with Meteorological Study of Chile, the Arica-Santiago Magallanes Route, Transl. 17 pp. (ATI-110161) *

- Nazarov, S., Buoyancy of Sea Ice. (Plovuchest'morskogo l'da.) From: "Severnyi Morskoi Put'," Leningrad, Izdatel'stvo Akad. Nauk SSSR, Vol. II, pp. 62-69. Transl. by N. Zikeev, Feb. 1955, 3 pp.
- Nazarova, I. N., Rocket and Satellite Investigation of Meteors, paper given at the Fifth CSAGI meeting, Moscow, 30 July - 6 August 1958. Transl. U.S. Dept. of Commerce, Soviet Bloc IGY, PB 131632, 16 Jan 1959. *
- Nezdyurov, D. F., Atmospheric Pressure and Its Measurement. In: "Inspektiya Meteorologicheskoy Seti," Leningrad, 1955, pp. 169-178. Transl. 7 pp. n.d.
- Nickel, —, Standard Atmospheric Tables. (Norm-Atmosphäre.) Reichs Luftfahrt Ministerium. Technisches Amt, 1 March 1941. Transl. 1946, 6 pp. (ATI-25520) *
- Nikitin, M. M., Observations of Currents. From: "Observational Data of the Scientific Research Drifting Station of 1950-51." (Materialy nabliudenii nauchno-issledovatel'skoi dreflulushchei stantsii 1950-51, goda.) Vol. 1, Sect. 3, Art. 6, pp. 171-178, 1955. Transl. by David Kraus, AMS, 1956. (AD-117134) *
- Nikitin, M. M., Organization of the Oceanographic Work. From: "Observational Data of the Scientific Research Drifting Station of 1950-51." (Materialy nabliudenii nauchno-issledovatel'skoi dreflulushchei stantsii 1950-51, goda.) Vol. I, Sect. I, Art. 1, 1954/55. Izdatel'stvo Morskoi Transport, Leningrad. Transl. by E. R. Hope, DRB, Canada. (AD-117132) *
- Nikitin, M. M., Wind Observations by Damper Vane. From: "Observational Data of the Scientific Research Drifting Station of 1950-51," Vol. II, Vol. III, Sect. 9, Art. 3, 1954/55. (Materialy nabliudenii nauchno-issledovatel'stvo dreflulushchei stantsii 1950/51 goda.) Izdatel'stvo Morskoi, Leningrad. Transl. by David Kraus, AMS for GRD, 1956. (AD-117140) *
- [Northern Sea Route Administration]: Reports of the Drifting Station "North Pole," (Trudy Dreflulushchei Stantsii "Severnyi Polius.") The Scientific Reports and Results of the Observations of the Drifting Expedition of the Northern Sea Route Administration, 1937-38, Vol. I, 1940; Vol. II, 1941-45. Publishing House of the Northern Sea Route Administration. (Izdatel'stvo Glavsevmorputi.) Transl. of Vol. I, Parts 1-2, and Vol. II, Parts 1-3, by Univ. of Calif., on contract to AFCRC, 1954, Sci. Report No. 5, and Sci. Report No. 6. *
- Obolensky, V. N., Meteorology. (Meteorologia.) USSR Hydromet. Publ. Office, Moscow, Leningrad, 1938. Transl. 1944, 867 pp. Parts I-II, ATI-113172; Chaps. 1-2, ATI-110476; Chaps. 3-4, ATI-116471; Chaps. 5, 6, 7, ATI-110472; Chaps. 8-9, ATI-110473. *
- Okhotsimskiy, D. Ye., et al., Determining the Lifetime of an Artificial Earth Satellite and an Investigation of Secular Perturbations of Its Orbit. Paper presented by USSR delegation to IGY meeting in Washington D.C., Oct 1957. Transl. in: "Collection of Soviet Papers on Earth Satellites," Mass. Inst. of Technology, Lincoln Lab., 31 Oct 1957, reissued 13 Jan 1958, pp. 131-152. *
- Oppermann, —, Front Experiences on Ice Formation. Published by the Aerodynamic Res. Inst. Gottingen Inst. for Low Temperature Research. Development Group on Ice Formation, Report No. 8, July 1950. Transl. SIPRE U5777, S-1040, Tr 386, 5 pp.

- Paetzold, H. K., Some Results Taken From Observations of the First Russian Earth Satellites. Max-Planck Institut für Aeronomie, Institut für Stratosphären-Physik Weissenaue und Technische Hochschule, München, May 1958. Transl. 19 pp. June 1958, Rand Corp. T-89. *
- Pagava, S. T., A Contribution to the Problem of the Succession of Axes. Moscow. Publication not cited. Transl. by MIS, 1944, 11 pp. (ATI-113294) *
- Pagava, S. T., Basic Principles of the Synoptic Method of Long-Range Weather Forecasting. (Osnovy sinopticheskogo metoda dolgoerochnykh prognozov pogody.) (Preliminary edition). Hydromet. Publ. Leningrad, 1940. Transl. circa 1943, Hqs AAF, 3 Vols. (ATI-81030) *
- Papanin, I. D., The Drifting Station. From: "Reports of the Drifting Station 'North Pole'." Vol. I, Part 2, 1940, pp. 21-114. Transl. 1953, 109 pp. (AD-32824) * (See also AD-60203)
- Partanskii, M. M., Climatic Conditions of the Russian Part of Sakhalin Island. (Klimaticheskie Usloviya Russkoi chasti o Sakhalina.) Vladivostok, Transl. 1945, 35 pp. (ATI-110445) *
- Peschanskiy, I. S., Physical and Mechanical Properties of Arctic Ice and Methods of Research. Report to the International Conference on the Study of Sea Ice, at Washington D.C., 1958. Transl. 16 pp. *
- Petersen, H., Climate of the Coast of Greenland. (Klima der Küsten von Grönland.) Translated and adapted from: "Climate of the Canadian Archipelago and Greenland" (Klima des Kanadischen Archipels und Grönlands) in: "Handbuch der Klimatologie," Band II, Teil K, ed. by Köppen and Geiger, 1935. Translated and revised by Weather Information Service, Hq AAF, May 1943, Report No. 180. *
- Petrov, I. G., Physical-Mechanical Properties and Thickness of the Ice Cover. From: "Observational Data of the Scientific-Research Drifting Station of 1950/51." (Materialy nabludenii nauchno issledovatel'stvo drieluishchei stantsii 1950-51 goda.) Vol. II, Sect. 6, Art. 3, 1954/55. Izdatel'stvo Morskoi Transport, Leningrad. Transl. by David Kraus, AMS for GRD, 1956. (AD-117137) *
- Petrov, V., Excerpt: Military Application of Space Vehicles. From: "The Artificial Earth Satellite." (Iskustvennyy Sputnik Zemli.) Military Publishing House of the Ministry of Defense of the USSR, 1958. Transl. AFCIN-1A1, Report No. IR-1986-58, AF 1187421, 6 pp. *
- Pluvinae, P., A Theoretical and Experimental Study of the Electrical Conductivity in Non-Thunder Clouds. (Etude Théorique et expérimentale de la conductibilité électrique dans les nuages non orageux.) Thèse présentée à la Faculté des Sciences de l'Université de Paris, Oct 1945. Transl. 1954, 73 pp. (AD-65311) *
- Pogrosian, Kh. P., and Taborovskii, N. L., Instruction of Synoptic Aerological Analysis. Hydromet. Publ. Moscow, 1940. Transl. 1944, 87 pp. (ATI-113101) *
- Pokrovskiy, G. I., Excerpt: Ball Lightning from: "Physics of Explosion." (Fizika Vzryva.) Moscow 1954. Transl. AFCIN-1A1, Report IR-1329-38, 1173649, 16 April 1958, 3 pp. *

- Poloskov, S. M., and Mirtov, B. A., The Study of the Upper Atmosphere by Means of Rockets at the Academy of Sciences, U.S.S.R. (Read at the International Congress on Rockets and Guided Missiles, Paris, 3rd to 8th December 1956.) Transl. by E. B. Dorling, Royal Aircraft Establ., Farnborough, Tr. No. 626, January 1957. 7 pp. (AD-127749) *
- Pone, R., Plotting of "Air Mass" Maps. (French) NII Technical Manual, Section I, No. 4, 1955. Transl. by E. S. Maykut, USAF, 3 pp. *
- Pone, R., Attempt at Classification of Soundings According to Their Structure. (Essai de Classification des Sondages d'Après leur Structure.) Section I, Piece No. 6, May 1954. Transl. by E. S. Maykut, 15 pp. (original attached) *
- Prandtl, L., On Developed Turbulence. (Über die Ausgebildete Turbulenz.) From: "Verhandlungen zur Internationalen Kongress der Technischen Mechanik," Germany, 1926, pp. 62-74. Transl. by T. P. A. 3, Technical Information Bureau, Ministry of Supply, London, February 1955, 9 pp. plus figs. (AD-36888) *
- Raethjen, P., Dynamics of the Cyclones. (Dynamik der Cyclonen.) [Translation of] Preface. USAF, ATI Branch No. ATI-2465-53, 1953, 6 pp. *
- Rakipova, L. R., Abstract: The Effect of Corpuscular Flows on Dynamic Disturbances in the Upper Atmosphere. In: "Physics of Corpuscular Flows and Their Effect on the Upper Atmosphere of the Earth." (Fizika Korpuskulyarnykh Potokov i ikh Vozdeystviye na Verkhnyuyu Atmosfery Zemli.) Akad. Nauk SSSR, 1957, pp. 273-276. Transl. 6 pp. *
- Ratisbonna, Leandro, and Serra, Adalberto, The Air Masses of South America. (As Massas de Ar da America do Sul.) Brazil, Ministerio da Agricultura, Servico de Meteorologia, Rio de Janeiro, 1942. Transl. 1943, 119 pp. (ATI-113152) *
- Ratmanov, G. E., The Hydrology of the Bering and Chukchee Seas. (K Gidrologii Beringova i Chukotskavo Merel.) From: "Explorations of Far-Eastern Seas," Fasc. 5, pp. 10-118. State Hydrological Inst. Leningrad, and Pacific Institute of Fisheries and Oceanography, Vladivostok, 1937. Transl. 1943, 20 pp. (ATI-120942) *
- Rawer, K., Wind Measurements in the Ionosphere by Means of Radar. Transl. from a German paper given at the meeting on Radar and Meteorology, June 26/27, 1956, at Essen. (Appendix 7) (AD-134530) *
- Wetter, W., Weather Forecasting (Prediction) Short-Range Forecasting Long-Range Forecasting. From: "Meteorologiya," Sofia, 1948, pp. 427-62. Transl. Nov 1955, 30 pp.
- Regener, Erich, Concerning Balloons Having a High Rate of Ascent, Low Inertia Thermographs, and Quartz Barographs, and Concerning the Condensation and Sublimation of Water Vapor at Low Temperatures. (Über Ballone mit grosser Steiggeschwindigkeit Thermographen von geringer... Temperaturen.) (RIF) Physikalisches Institut der Technischen Hochschule, Stuttgart. Transl. 9 pp. (ATI-43910) *
- Regener, Erich, On the Half-Day Variations of Cosmic Radiation and Their Relation to the 12-hour Oscillation of the Earth's Atmosphere. (Über halbtägige Schwankungen der kosmischen Strahlung und ihre Beziehung zu der 12-Stunden-schwungung der Erdatmosphäre.) From: "Das Jahrbuch 1939-1940 im Spiegel der Arbeit des Stifterverbandes der Deutschen Forschungsgemeinschaft," Seite III, 1940. Transl. 4 pp. (ATI-10371) *

- Regener, E., The High Atmosphere. Lecture given at Stuttgart, 28 May 1952. Transl. USAF, ATI Branch, 17 August 1953, AF-594259, 15 pp. Original document attached. *
- Riazanov, V. A., Maximum Allowable Concentration of Atmospheric Contaminants. (Predel'no Dopustimye Kontsentratsii Atmosfernykh Zagriaznenii, Vol. 2) 1955. (Available in U.S. Weather Bureau Library.)
- Rikhter, G. D., Snow Cover, its Formations and States. (Snezhnyi pokrov ego formirovaniye i svoistva.) Akademiia Nauk Institut Geografii Nauchnoprofessionalnaia seriya, Moscow, 1945. Transl. by William Mandel, Revised edition, 1950, SIPRE Transl. No. 6, August 1954, 66 pp. Also a translation of Chapter 8, issued as "Snow Cover of USSR." Report No. 168, RDB, June 1950, 25 pp. (ATI-120791) *
- Ritscher, Alfred, et al., The German Antarctic Expedition of 1938-1939. (Die Deutsche Antarktische Expedition 1938-1939.) Koehler and Ameland, Leipzig, 1942. Transl. U. S. Hydrographic Office Library, 55 pp. n.d.
- Ritz, L., Ice Formation on Wings. (Vereisung.) Reprint of a paper presented at Lillenthal-Gesellschaft fur Luftfahrtforschung, Berlin, Oct 1938. Transl. as NACA Memo. No. 888, 1939, 8 pp. (ATI-105320) *
- Rixecker, Dr., The Utilization of Harbour RADAR for Meteorologically Advising Navigation When Loading and Unloading Ships. Transl. from a German paper given at a meeting on Radar and Meteorology, June 26/27, 1956, at Essen, 8 pp. (Appendix 11) (AD-134526) *
- Roch, Andre, Mechanism of Avalanche Release. (Le Mechanisme du Déclenchement des Avalanches.) From "Les Alps," 1955, Fasc. 4. Transl. by Mary M. Atwater, April 1956, 11 pp. SIPRE Tr No. 52. (AD-102284) *
- Rodewald, Martin, Climate and Weather of the Bear Island Fisheries Area. (Klimate und Wetter des Fischereigebiets Bareninsel.) Amtliche Veröffentlichung des Meteorologischen amts fuer Nordwestdeutschland, 1949, pp. 1-69. Transl. U.S. Navy Hydro. Office, Tr. 1078/HO 212, August 1956. *
- Rossman, F., Measurements of Atmospheric Electricity Carried Out From a Glider. (Luftelktrische Messungen in der freien Atmosphäre mit einem Segelflugzeug.) Volkenrode, Map-V-146R. August 1946. Transl. by C. A. Meyer & Co., for AAF, 5 June 1947, F-TS-3516-RE, 37 pp. (ATI-26379) *
- Rossman, F., Patent Number 834,296 - A Method of Combatting and Destroying Waterspouts and Tornadoes. (Verfahren zur Bekämpfung und Vernichtung von Tromben und Tornadoes.) 14 Feb 1952. Transl. ATIC, F-TS-10042/III, 4 pp. (AD-128669) *
- Rossman, F., Measurements of Polar Electric Conductivity in Free Atmosphere. (Messungen der Polaren Elektrischen Leitfaehigkeiten in der freien Atmosphäre.) Zentral fur Wissenschaftliches Berichtswesen, Berlin-Adlershof, UM 3548, October 1944. Transl. by AMC, Wright Patterson AFB, n.d., 14 pp. (photos, graphs available in original on same reel.) (ATI-25688) *
- Royen, N., Ice Pressure With Increasing Temperatures. (Istryck vid temperaturhöjningar.) In: "Hyllningsskrift tillagnad F. Vilh. Nansen," Stockholm, pp. 357-371. Gunnar Tisells Tekniska Forlag (1922). Transl. SIPRE No. 45, August 1955, 11 pp. (AD-76726) *

- Ruby, M. Frederic-Leon, Patent No. 61460, Improved Rocket or Bomb for the Prevention of Hail. French Patent Office, Ministry of Industry and Commerce, 4 May 1955. Transl. ATIC-308507, 1955, 3 pp. (AD-127388) *
- Saenger, R., The Theory of Ballistic Perturbations. (Ballistische Störungstheorie.) Publ. by ASTIA, June 1952, 124 pp. (ATI-146364) *
- Saibe, Risaburo, General Text for Training Students in the Art of Giving Meteorological Signals. From "A Text on Meteorological Art," Vol. 6, No. 1, 1939. [Japan] Naval Navigation School. Transl. 38 pp. (AD-38621) *
- Sander, A., Spontaneous Formation of Nuclear Droplets in Under-Cooled Water Vapor. (Spontane Keimbildung in unterkühltem Wasserdampf.) Volkenrode U179R. Transl. June 1947, 25 pp. (ATI-4181) *
- Sander, A., Abstract: Vapour Trails Behind Aeroplanes. (Die Vermeidung von Kondensstreifen Hinter Flugzeugen.) Volkenrode. Transl. Sept. 1948, 2 pp. with original attached. * (ATI-4531)
- Sapozhnikova, S. A., Microclimate and Local Climate. (Mikroklimat i Mestnyy Klimat.) Leningrad 1950, 242 pp. Transl. 1952, 501 pp. (Available in Library of Congress.)
- Sapper, K., Climatology of Central America. (Klimakunde von Mittelamerika.) Vol. 2, Part H, of "Handbuch der Klimatologie," ed. by Koppen and Geiger, 1932, Berlin, 113 pp. 13 figs. (ATI-199491) *
- Schaffer, Theodor, On the Persistence Tendency of Weather Trends. (A Statistical Treatment of Temperature Anomalies.) Doctoral dissertation submitted to Frankfurt Univ., 1935. Transl. 18 pp. (ATI-110386) *
- Scheidt, Leopold, The Soil of Japan. (Der Boden Japan.) Selected portions (relating to "Outline Soil of Map of Japan."). Transl. 8 pp. (ATI-27860) *
- Schmidt, A., Fog Indicator. (Beschreibung eines Nebel Anzeigegeraetes.) Zentrale für Wissenschaftliches Berichtswesen, Berlin-Adlershof, UM-738, November 1943. Transl. Nov 1946, 4 pp. (ATI-25703) *
- Schmitten, Hanle, Measurement of the Ceiling With a Searchlight During the Day. (Messung der Wolkenhoehe mit dem Scheinwerfer bei Tage.) Univ. Giessen, ZWB., Nov. 1942. Transl. Evans Signal Lab., n.d., 29 pp. (ATI-59259) *
- Schopper, Erwin, Exploration of the Upper Atmosphere. (Übersichtsbericht über die zur Vermessung der hohen Atmosphäre entwickelten Instrumente.) Sept. 1943. Transl. n.d., 4 pp. (original attached). (ATI-28239) *
- Schott, Gerhard, Geography of the Atlantic Ocean. (Geographie des Atlantischen Ozeans.) Verlag von C. Boysen, Hamburg, 1912. Transl. of Chapters V-VI only, May 1942, 169 pp. (ATI-110448) *
- Schott, Gerhard, Geography of the Indian and Pacific Oceans. (Geographie des Indischen und Stillen Ozeans.) Verlag C. Boysen, Hamburg, 1935. Transl. 1942. of Chapters 4-7, 151 pp. (ATI-110364); Chapters 8-9, 283 pp. (ATI-113163) *

- Schroeder, The Motion of the Rocket Immediately After Take-Off in Case of Wind - Theoretical Treatise. (Die Aggregatbewegung Unmittelbar Nach dem Abheben Bei Wind - Theoretische Abhandlung.) Peenemünde, March 1939. Transl. AMC, F-TS-1100-RE, April 1947, 6 pp. *
- Schwob, Marcel, Artificial Rain and Local Fog Dispersal. (La Pluie et la Dissipation locale des Brouillards.) ONERA Publ. No. 10, 1948, Paris. Transl. by D. A. Sinclair, NRC, Canada, Tr. TT-87, 20 April 1949, 10 pp. (ATI-58574) *
- Schulze, W., Observations of Cumulonimbi With the 10cm Radar Implement GL III. Transl. of a German paper given at the meeting on Radar and Meteorology, June 28/27, 1956, at Essen, 19 pp. (Appendix 6) (AD-134522) *
- Seiffert, M., and Wenk, Paul, The Dielectric Constant of Atmospheric Air as a Function of Pressure Temperature, Humidity, Colloidal Property and its Meaning for Radio Technology and Meteorology. (Die Dielektrizitätskonstante der Atmosphärischen Luft in Abhängigkeit von Druck, Temperatur, Feuchte, Kolloidaler Beschaffenheit und ihre Bedeutung fuer Funktechnik und Meteorologie.) 18 Oct 1944. Transl. SIGIS No. 250, n.d., 17 pp. (ATI-10263) *
- Serra, Adalberto, Equatorial Meteorology. (Meteorologia Equatorial.) Brazil, Ministerio da Agricultura, Servico de Meteorologia, Rio de Janeiro, 1943. Transl. 22 pp. n.d. (ATI-113154) *
- Serra, Adalberto, Equatorial Climatology. (Climatologia Equatorial.) Brazil, Ministerio da Agricultura, Servico de Meteorologia, Rio de Janeiro, 1945. Transl. by Laura de Nova Friburgo, n.d., 26 pp. *
- Serra, Adalberto, The Formation of Thunderstorms. (A formacao das trovoadas.) Brazil, Ministerio da Agricultura, Servico de Meteorologia, Rio de Janeiro, 1942. Transl. n.d. 11 pp. (ATI-110156) *
- Serra, Adalberto, Meteorology in Northeastern Brazil. (Meteorologia do Nordeste Brasileiro.) Instituto Brasileiro de Geografia e Estatistica, Rio de Janeiro, 1945. Transl. by Laura Friburgo, pp. 89-120 in original publication. (Available in US Weather Bureau Library.)
- Serra, A., The General Circulation of South America. Rio de Janeiro, 1939. Publ. by Nat'l Met. Serv., Dept. of Agric., Brazil, in collaboration with the Dept. of Civil Aeronautics of the Ministry of Travel and Public Works. Transl. from French by R. W. Craig, USWB, Oct 1942. *
- Shirshov, P. P., Scientific Results of the Drift of Station North Pole. (Nauchnye rezult'aty drevnaya stantsii "Severnyi polius.") Akad. Nauk SSSR, Obshchestvennoye Sobrenie, Feb. 1944, pp. 110-140. Transl. by David Kraus, AMS for GRD, Feb 1953, 51 pp. (AD-102390) *
- Shliamin, B. A., The Peru Current. Geografiya v Shkole, Soviet Ministry of Education, pp. 28-29, 1955. Transl. by L. G. Robbins, Navy Hydrographic Office, May 1956, 3 pp. Transl. No. 378. (AD-109032) *
- Schmidt, O. Ju., The Expedition to the Pole. (Ekspeditsiya na Polius.) Vol. 1, Part 2, of "Trudy Dreifluziskoi stantsii 'Severnyi Polius'." Moscow, Izd. Glavsevmorputi, 1940, pp. 7-19. Transl. 1952, Revised 1254, 21 pp. (AD-32822) * (See also AD-60203)

- Shono, S., Approximate Solution of Non-Linear Differential Equations of Stationary Wind in the Lower Stratum of Symmetric Cyclones and Anti-cyclones and Their Applications. /1951?/ (Japanese.) Transl. by Author, 32 pp. *
- Shumskii, P. A., The Energy of Glaciation and the Life of Glaciers. (Energia oledeneniia i zhizn'lednikov.) Moscow. Gosudarstvennoe Izdatel'stvo Geograficheskoi Literatury, 1947. Transl. by W. Mandel, SIPRE Tr. No. 7, 1950, 27 pp. *
- Shtal, V., Meteorological Service of the Workers and Peasants Red Army. (Meteorologicheskaya sluzhba ERKKS.) Kiev State Military Publication, Na Varti, 1936. Transl. of pp. 47-43. (ATI-120335) *
- Shtepenko, A., Narrative of the First Commercial Flight from Moscow to Chukotka (Chukchi Peninsula), 23 March 1940. Transl. 8 pp. *
- Shternfeld, A., Artificial Satellites. (Izusstvennyye Sputniki.) State Publ. House for Tech. and Theoretical Literature, 1958, 300 pp. Transl. ATIC F-TS-9570/V, 424 pp. *
- Shul'ts, V. L., Report on Rivers of Soviet Central Asia. (Reki Sredney Azii.) Moscow, 1949. All-Union Geographical Society. Publ. State Publishing House of Literature on Geography, 1949, 196 pp. Transl. AFOIN-1A1, 1R1-162-55, 1955, 11 pp. Plus figs. *
- Shuleikin, V. V., The Present Status of the Theory of Ice Field Drift. (Teoriya driftna lednykh polov v ee sovremennom sostoinanii.) From: "Pamiat'i Iulii Mikhailovicha Shokal'skogo," Izd. Akad. Nauk SSSR, Vol. II, 1950, pp. 63-82. Transl. 1954, 29 pp. (AD-59547) *
- Shustov, B., Fogs of the Azov Sea Coast. (Tumany Poberezh'ya Azovskogo.) From: "Uchenye Zapiski Moskovskogo Gosudarstvennogo Instituteta, SSSR," 1938, pp. 42-67. Translation of tables only. (ATI-120321) *
- Shvets, M. Ye., Contemporary Status of Research on the Theory of Climate. From: "A. I. Voyeykov i Sovremennyye Problemy Klimatologii," Leningrad, 1956, pp. 205-225. Transl. US JPRS/NY-L-47 *
- Shvidkovsky, Ye. G., Meteorological Rocket Research of Stratosphere. Paper presented at the Rocket and Satellite Symposium During the 5th Reunion of the Comité Special Année Géophysique Internationale, Moscow, 30-July to 9-August 1958. Transl. National Academy of Sciences, NRC, title: Certain Results of Measurements of Thermodynamic Parameters of the Stratosphere With the Aid of Meteorological Rockets. 10 pp. *
- Siedentopf, H., Investigation of Atmospheric Illumination. (Luft-Lichtuntersuchungen.) Universitäts-Sternwarte Kena, (BHF) April 1944. Transl. 24 pp. (ATI-43313) *
- Soinetsev, N. A., Kolguev Island. (Ostrov Kolguev.) Moskovskii gosudarstvennyi universitet. From: "Nauchnye Zapiski, Vypusk Chetyrnadtsatyi Geografiia," Moscow, 1936. Translated and edited with minor interpolations from other sources. Issued as Climate of Kolguev Island, Special Report No. 26, EPS, RDB, MIL. Planning Div., Office of the Quartermaster General, 1 September 1949, 8 pp. (ATI-120322) *
- Sokolovsky, D. L., River Runoff. Excerpts: Chapt. IV, Variability of Annual Runoff; Chapt. V, Annual Distribution of Runoff; Chapt. VI, Minimum Runoff, pp. 108-126; 146-157; 158-202; 222-224. Gidrometeorologicheskoe Izdatel'stvo, 1952. Transl. by L. G. Robbins, U.S. Hydrographic Office, October 1951, Tr. No. 349. (AD-118545) *

- Somov, M. M., and Musina, A. A., Determining the Chemical Composition of the Sea Water. From: "Observational Data of the Scientific Research Drifting Station of 1950/51," Vol. I, Sect. I, Art. 4, 1954/55. (Materialy nabludenii nauchno issledovatel'skoi dreifuushchei stantsii 1950/51 goda.) Izdatel'stvo Morskoi Transport, Leningrad. Transl. by David Kraus, AMS for GRD, 1956. (AD-117132) *
- Somov, M. M., Results of a Preliminary Analysis of the Deep-Water Hydrological Observations. From: "Observational Data of the Scientific Research Drifting Station of 1950/51," Vol. I, Sect. 2, Art. 5, 1954/55. (Materialy nabludenii nauchno issledovatel'skoi dreifuushchei stantsii 1950/51 goda.) Izdatel'stvo Morskoi Transport, Leningrad. Transl. by David Kraus, AMS for GRD, 1956. (AD-117133) *
- Somov, M. M., Observational Data of the Scientific Research Drifting Station of 1950/51, (Materialy nabludenii nauchno issledovatel'skoi dreifuushchei stantsii 1950/51 goda.) The Drift of the Scientific Research Station 1950/51. (Dreft nauchno issledovatel'skoi stantsii 1950/51.) Vol. I, Sect. I, "Oceanography." Transl. by David Kraus, AMS for GRD, 1956. (AD-117132) * Contents:
- Art. 1. "Organization of the Oceanographic Work."
 - Art. 2. "Depth Soundings."
 - Art. 3. "Water Temperature Observations and Collection of Samples for Chemical Analysis."
 - Art. 4. "Determining the Chemical Composition of the Sea Water."
- Somov, M. M., Observational Data of the Scientific Research Drifting Station of 1950/51. (Materialy nabludenii nauchno issledovatel'skoi dreifuushchei stantsii 1950/51 goda.) Izdatel'stvo Morskoi Transport, Leningrad, Vol. III, Sect. 9, 1954/55. Transl. by David Kraus, AMS for GRD, 1956. (AD-117140) * Contents:
- Art. 2. "Aerological Observations."
 - Art. 3. "Wind Observations by Damper Vane."
- Stenz, E., Climate of Afghanistan: Precipitation in Afghanistan. University of Kabul. Publ. by Polish Institute of Arts and Sciences in America, 1945. Transl. MID W.D.G.S., I.G. #6304, Report 46-45, 29 June 1945, 10 pp. *
- Stipa, V., and Mueller, H., Infrared Radiation from the Night Sky. (Die nachtsliche Warmestrahlung der Atmosphäre in nahen Ultrarot.) Zentral für Wissenschaftliches Berichtswesen, Berlin-Adlershof, FB-1755. March 1943. Transl. 10 pp. (ATI-43759)*
- Stoenescu, S., et al., Four Articles Concerning Some Features of the Physical Geography of Rumania. From Rumanian monograph: "Geografia Fizica," 1955, pp. 84-302. Transl. 260 pp.
- Strauss, E., Inductive Pressure Transmitter for Measuring Constant and Quickly Variable Pressures. (Induktiver Druckgeber zur Messung ruhender und schnell veränderlicher Drücke.) Völknerode. Report of British Ministry of Supply (Air), Dec 1946. Transl. June 1949, No. F-TS-6721-RE. (ATI-9225) *

- Sugaya, Jiji, Consolation-Structure and Frost-Heaving Ratio at Assan, Manchuria. (Manuscript) Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan, n.d. Transl. DRB, Canada, Tr. T54J, Jan 1956. (AD-102500) *
- Sunigin, M. I., et al., Water Supply of Railroads in Permafrost Regions. (Vodopobavleniye zheleznikh dorog v raionakh vechnoi merzloty.) Transzheldorizdat, Moscow (1939). Transl. by Jaroslav J. Peel, SIPRE Tr. No. 28, Oct 1966, 64 pp. (AD-102285) *
- Suslov, S. P., Physical Geography of USSR, Moscow, 1947. Transl. of Section on Siberia by QMC, pp. 1-324. *
- Sverdrup, H. U., Survey of the Climate of the Arctic Ocean and the Canadian Archipelago. (Übersicht über das Klima des Polarmeeres und des Kanadischen Archipels.) Translated and adapted from: "Climate of the Canadian Archipelago and Greenland." (Klima des Kanadischen Archipels und Grönlands.) In: "Handbuch der Klimatologie," Band II, Teil K, ed. by Köppen and Geiger, 1935. Transl. and revised by Weather Information Service, Hq AAF, May 1943, Report No. 180. *
- Swun-su, Izen, On the Harmonic Constant of Annual Pressure Variations at 13 Places Along East Tibetan Plateau, n.d. Transl. 3 pp. (AD-141112) *
- Taborovskii, N. L., The Transformation of the Altitude Baric Field and the Change of Natural Synoptic Periods, 1936. Transl. 29 pp. (STI-ATI-205558) *
- Takagi, Noboru, "Baby T" Meteorological Rocket. From: Institute of Industrial Science, University of Tokyo, Feb 1956, "The Industrial Science Review (Rocket Number)." Transl. from Japanese by ITB, No. 2014537, Tr. No. G-7167. 16 pp. *
- Tarczy-Hornoch Antal, Geophysics in Hungary. In: "Magyar Tudomány Tíz Éve, 1945-1955," Budapest, 1955, pp. 265-270. Transl. 8 pp. *
- Tauvan, A. A., Soviet Weather Flying Chart (Ice Formation on Airplanes). Translation from Russian. Inclosure to IR-221-51, 25 January 1952, 11 pp. (ATI-165174) *
- Terada, K., On the Problem of Ice Formation and Its Application to Frozen Soil. Publ. not cited, n.d. /Study of Freezing of Soils./ Transl. by author, 9 pp. n.d. *
- Teramoto, Tokichi, Climate and Endemic Diseases of Taiwan. From: "Nippon Chiri Talker" (Geography of Japan), Chapt. 11, Taiwan, pp. 255-259. Transl. by F. Cressitt Bock, M.I.D., New York, 30 Nov. 1943, 5 pp. (AD-141037) *
- Thiel, A., et al., Two-Dimensional Uncontrolled Trajectory of a Model Aggregate Affected by the Wind. (Ebene ungesteuerte Bahn eines model-aggregats unter Windenwirkung.) 12th Report on Flight Mechanics, Feb. 1940. Transl. by N. S. Medvedoff, Goodyear Aircraft Corp., April 1947, 8 pp. plus figs. (ATI-3523) *
- Thorkelson, Thorkell, Rain From Obscured Skies. (Sky og Skurir.) Published 1945 in "Tímarit Varkraedingateldags Íslands." Transl. 21 pp. *
- Treshnikov, A. F., A Year on an Ice Floe. (God na L'dine.) Morskoi Transport Press, Moscow, 1956, pp. 6-11. Excerpts: "How to Set Up a Drifting Station," Annex I, pp. 12-15; Annex II, "Dreifutushchiye stancyi"; Annex III, "New Soviet Discoveries in the Arctic," 1956. Transl. DRB, DSIS Special Memo, 4 Dec 1957, 19 pp. *

- Trojer, Hans, Prevailing Weather in Colombia (Its Characteristics and Its Development). Weather Service of the National Center of Coffee Investigations, Chinchina, Dept. of Caldas. Transl. USAF, AF-694944, No. IR-128-55, 1955, 26 pp. *
- Tsytoich, N. A., and Sumgin, M. I., Principles of Mechanics of Frozen Grounds, 1937. Moscow. Transl. of Part I, "Experimental-Theoretical Section -- Chapt. I, The Properties of the Components of Frozen Ground." Transl. by R.D.B., Tech. Int. Bch., n.d., 40 pp. (AD-4889) *
- Tverskoi, P. N., Text in Geophysics. (Excerpts from Parts I and II.) Second edition. Gosudarstvennoye Tekhniko-Teoreticheskoye Publ. Office, Moscow, 1932. Transl. 1944, 14 pp. (ATI-120874) *
- USSR, Hydrometeorological Service of the Red Army, Aeroklimatische Charakteristik der nordwestlichen, westlichen und südwestlichen Gebiete der U.S.S.R. und der angrenzenden Gebiete im Herbst und Winter, n.d. Transl. into German from Russian. *
- USSR, Climatological Study of 90 (Ninety) Soviet Arctic Weather Stations. n.d. Transl. by Cpl. Troubetzkoy, Regional Control Office, 11th Weather Region, July 1943, 67 pp. (ATI-118105) *
- USSR, Evaluation of Meteorological Conditions Before the Execution of Flight. (Otsenka Meteorologicheskikh Uslovii Pered Poletom.) Summary of Section from textbook "Meteorology for Pilots," pp. 110, published by USSR Ministry of War, 1955. Transl. USAF, IR-1163-57, 1074906, Feb. 1957, 5 pp. plus figs. *
- USSR, Hydrometeorological Service, Forecast and Report Codes, Section II, of "Compilation of the Hydrometeorological Codes, Issue I." Central Bureau of the Hydromet. Serv. of the Red Army of the People's Commissariat of Defense. Publ. by Hydromet. Publ., 1942. Prepared by Weather Division, Sq AAF, Report No. 572, Feb 1944. *
- USSR, The Main Admin., Hydrometeorological Service, Guidebook for Composing Daily Meteorological Telegrams for Land and Coastal Stations, 4th Edition. Hydromet. Publ. House, Moscow, 1938. Transl. by USAF, 1953, 60 pp. *
- USSR, Scientific Editorial Institute of the Great Soviet World Atlas, Great Soviet World Atlas, Moscow 1938. Transl. of text and legends, published by Syracuse Univ., Dept. of Geology and Geography, N. Y., 1941, 24 pp. *
- USSR, Hydrometeorological Service of the USSR. Article in: "Bol'shaya Sovetskaya Entsiklopediya," Vol. XI, Moscow, 1952, pp. 306-307. Transl. March 1950, 4 pp. *
- USSR, Chief Admin., Hydromet. Service, Central Geophysical Observatory, Handbook for Meteorological Stations of the Second Class (6th ed.) 1940. (Rukovodstvo meteorologicheskoy observatoriya.) Transl. Vol. I, 221 pp.; Vol. II, 74 pp.; Vol. III, 64 pp. (ATI-114865) *
- USSR, Chief Admin., Hydromet. service, Central Geophysical Observatory, Handbook for Meteorological Stations of 3rd Order (Class). (Rukovodstvo meteorologicheskimi stantsiyami 3 -- go razrada.) Hydromet. Publ. House, Leningrad, Moscow, 1941. Transl. 1944, 70 pp. (ATI-137074) *

[USSR]: Ice Conditions in the Waters Bordering the USSR. Translated extracts from Russian and Japanese documents, June 1947. * Contents: "Oceanography of the Pacific," pp. 3-4; "Climate of Japan," pp. 4-5; "Weather of North Sakhalin," pp. 5-6; "Sailing Direction for Sakhalin and the Kuriles," pp. 6-7 and 15-17; "Study of Sea Ice and the Freezing of Harbors," pp. 7-11; p. 15; pp. 98-107; "Meteorological Report No. 13," pp. 11-15; "Weather of the Central Kuriles," pp. 17-22; "Survey of Far Eastern USSR," p. 23; "Map of Sea and Weather Phenomenon," pp. 22-23; "Russian Pilot of the Pacific Ocean," pp. 23-24; "Gazetteer of the Soviet Far East," pp. 24-25; "Hydrological Survey and Drift Ice Conditions from the East Siberian Sea to Bering Sea," pp. 26-32 and 44-46; "Report on Trip to Russian Kamchatka, 1922," p. 32; "Nature, Economic and Transportation of the Soviet Arctic," pp. 32-34; "The USSR and the Arctic," pp. 34-35; "Data on Ice Conditions on the Soviet Arctic Coasts in Winter of 1933-34," pp. 36-44; 50-77; 83-87; "Ice Conditions in the Arctic Ocean During 1934, According to the Observations of the Ice-Breaker Litke," pp. 47-50; "Ice Conditions in the Arctic Ocean Between Novaya Zemlya and the Bering Strait, According to the Observations of the Ice-Breaker Sibiryakov," pp. 75-82; "Meteorology of the Krasnoyarsk/Dickson Island Air Route," pp. 82-83; "Ship Observations on Ice Conditions in the Arctic Ocean During the Period of Navigation in 1934," pp. 87-98; "List of Ice Observation Stations," pp. 108-118 *

USSR, Hydrometeorological Institute, Use of Gradient Graph. Prepared by VVHMI, OP-16-FA-5, Ser. #62-44. Transl. 11 Nov 1944, 3 pp. *

USSR, Excerpt from: List of Scientific Institutions, Branches of the USSR Academy of Sciences of the USSR, 18 July 1949, prepared from a special publication issued by the Academy of Sciences, June 15, 1945. Transl. 22 pp. *

[USSR, Akademiya Nauk SSSR]: The Physical-Mechanical Properties of Snow and Their Application in the Construction of Airfields and Roads. (Fiziko-mekhanicheskie svoystva snega i ikh ispol'zovanie v aerodromnom i dorozhnom stroitel'stve.) Moscow-Leningrad, 1945, 66 pp. (See: A. S. Kondratyeva) *

USSR, Board of Editors; Preface; Table of Contents. Marine Atlas Physico-Geographic. (Morskoy Atlas, Fiz-Geograf.) Publ. by Izdaniye Glavonogo Shtaba Voenno-Morskikh Sil, Vol. II, Moscow, 1953. Transl. Navy Hydrographic Office, Tr. 1412/HO 405, 23 pp. (AD-118544) *

[USSR, Hydrographic Office, Hydrometeorological Section]: State of Ice on the Seas of USSR, Fasc. 1-8, Leningrad, 1926-1936. Transl. 1943, 6 Vols., 713 pp. *

[USSR, Hydrographic Office]: The Sailing Directions of Russian Coasts of Sea of Okhotsk and Eastern Coast of Kamchatka Peninsula, (1923). Extracts from: "Russian Sailing Directions for Sea of Okhotsk (1938)." Translated and corrected with 1938 edition. U.S. Hydrographic Office, 1942, 356 pp. (ATI-113191) *

USSR, Report on Scientific Works in Physical Oceanography. (Sobshcheniye o Nauchnykh Rabotakh po Fizicheskoy Okeanografii.) Moscow, 1957, pp. 5-35. Transl. March 1958, 49 pp. *

USSR, Chief Admin., Hydromet. Service, Instructional Directives for Inspection of Meteorological Stations, (with Appendices). (Instruktivnye ukazaniya dlia meteorologov U.G.M.S.) Moscow, 1941. Transl. 1943, 52 pp. (ATI-113127) *

- USSR, Central Bureau of the Hydromet. Service of the Red Army, State Hydrological Institute, Instructions for Issuance, Verification and Evaluation of Hydrological Forecasts. (Instruktsiia dlia vypuska, ucheta i etsenki gidrologicheskikh prognozov.) Publ. Central Bureau of Hydromet. Service of the Red Army, Sverdlovsk, 1942. Transl. n.d., 78 pp. (ATI-120334) *
- USSR, Hydromet. Service of the Red Army, Instructions for Recording and for Evaluating the Validity of Short-Range Weather Forecasts. Hydromet. Publ., Moscow, 31 March 1942. Transl. 1944, 35 pp. (ATI-110467) *
- USSR, Chief Administration of Hydrometeorological Service, Instructions Concerning the Meteorological Service of the Air Fleet in the USSR. (instruktsiia po meteorologicheskomu obsluzhivaniyu vozdukhnoy floty USSR.) Hydro. Met. Publ., Moscow, 1941. Transl. Feb 1944, 47 pp. (ATI-120963) *
- USSR, Hydrometeorological Service of the Red Army, Central Weather Institute, Instructions on the Terminology and Evaluation of Short Range Weather Forecasts by Points and Areas, May 31, 1941. (Incomplete) Transl. by J. Chaitkin, circa 1943, 6 pp. *
- USSR, People's Commissariat for the Defense of the USSR, Instructions for Weighing and Evaluating the Correctness of Short Range Weather Forecasts, March 1942. Transl. by J. Chaitkin, Oct 1944, 36 pp. *
- USSR, Hydrometeorological Service, Central Weather Institute, List of Synoptic Stations in the USSR. (English transliteration and facsimile of Russian text) Moscow, 1942, 128 pp. (ATI-110443) *
- USSR, Directorate of the Hydrometeorological Service of the Red Army, Long-Range Hydrometeorological Forecast, Central Publication No. 8, 1941. Transl. 1944, 57 pp. (ATI-ATI-205556) *
- USSR, Central Board of Administration, Hydrometeorological Service of the Red Army, The Meteorological Service of Germany, Hydromet. Publ., Moscow, 1942. (ATI-137071) *
- USSR, Table of Contents of Soviet Scientific Publications and List of Publications of State Hydrometeorological Publishing House, 1949-1954. Transl. 9 pp. n.d. *
- USSR, Headquarters of Commander of Red Army Artillery, Red Army Artillery Manual: Artillery Instrumental Reconnaissance, Part 5: Artillery Meteorological Service. Mil. Publ. Office of the USSR People's Commissariat of Defense, Moscow, 1942. Transl. 1945, 215 pp. (ATI-113195) *
- USSR, Council of People's Commissars, Statute of the Main Administration of the Hydrometeorological Service of the USSR (Attachment to the 'SNK', Decree No. 1814, Moscow, Nov. 1939). Hydromet. Publ., Moscow, 1939. Transl. 1943, 16 pp. (ATI-120883 and 113183) *
- Vangengeim, G. Y., Application of Synoptic Methods to the Study of Characterization of Climate. USSR Hydromet. Serv., Editing Publ. Section, Moscow, 1935. Transl. and ed. by Hq AAF, n.d. 135 pp. (ATI-112174) *

- Vassy, E. and Vassy, A., Absorption of Solar Radiation by the Atmosphere. (l'absorption du Rayonnement Solaire par l'atmosphère.) Publ. not cited, n.d. Transl. by J. Gough, Jr., AMS for GRD, August 1951, 22 pp.
- Vassy, Arletter, On the Atmospheric Absorption in the Ultra-Violet Region. Masson et Cie, Editeurs, Paris, n.d. Transl. by F. Rizzo, Bureau of Ships, USN, Hydrographic Office Library, 46 pp. n.d.
- Victor, P. E., Arctic Expedition Preparatory Campaign to Greenland (1946). Transl. by Mrs. Daniel P. Baker, Middlebury College, April 1950, 63 pp. *
- Vila, P., and Botero, J. M., Tropical and Colombian Climatology. Excerpts from: "Nueva geografía de Colombia," pp. 51-54; 65-74; 85-89; and 159-161, Bogota, 1945; and "Geografía de Colombia," pp. 117, and 220-221, 1939. Transl. U.S.N. Hydrographic Office Library, June 1955, No. 243, 6 pp. *
- Vize, V. I. (Weise) The Climate of Franz Josef Land. USSR, Transaction of Polar Studies N47, Franz Josef Land, Scientific Tech. Dept. of Agriculture N352, USSR, 1930. Transl. 20 pp. (Available in US Weather Bureau Library, DWB PF 6654 (213).)
- Vize, V. I., Climate of Soviet Arctic Seas. (Klimat Morey Sovetskoy Arktiki.) Publ. by Glavsevmorputi, Leningrad-Moscow, 1940. Encl. to IR-1121-56, AFON-1A1. Transl. AF 728130, 68 pp. *
- Volkov, G., Airfields on Ice. Polar Worker's Library, Moscow, 1940. Transl. in: "Investigation of Construction and Maintenance of Airdromes on Ice, 1946-1947." Prepared by Soils Lab., Corps of Eng., May 1947, pp. 215-236. Transl. Stefansson Library. (AD-141181) *
- Vol'p'yan, V. C., Radio Interference on an Airplane and Methods of Combatting it. (Radiopomekhi na samolete i sposoby bor'by s nimi.) Transactions of the USSR Scientific Res. Unit for Aircraft Equipment, Ed. and Publ. Section of the Air Fleet, Moscow, 1943. Transl. by A. G. Alexeeff, AAF Library No. 279, 1944, 34 p. (ATI-110444) *
- Vyshinski, A., and Hlomoff, M., Statute of the Central Bureau of the Hydrometeorological Service of the USSR of the Soviet of People's Commissars of the USSR. Gidrometeorologicheskoe izdatel'stvo, Moskva, SSSR, Nov. 1939. Transl. Bq AAF, Report No. 608, n.d., 22 pp. (ATI-120883) *
- Wagner, W., Development of an Interferometer for Density. (Die entwicklung von interferometern zur dichtemessungen.) Ministry of Aircraft Production, Völknerode, August 1946. Transl. by O. W. Leibiger, Res. Lab., 29 Jan 1948, 6 pp. (ATI-6518) *
- Watsuji, Tetsuo, Special Characteristics of Monsoonal Climate. From: (Japanese Book) "Landschaft," Feb. 1953, published by Iwanami Book Store. Transl. 500th MI Sv Gp Doc. No. 84276, EDC, Jan 1955.
- Wegener, K. ed., Excerpts from: Scientific Results of the German-Greenland Expedition Under Alfred Wegener, 1929 and 1930/31. (Wissenschaftliche Ergebnisse der Deutsche Grönland-Expedition Alfred Wegener 1929 und 1930/31.) Vol. IV, Part 2, pp. 274-328. Transl. circa 1945, 72 pp. (See: Kopp, W., and Holzapfel.) (ATI-27955) *

- Weinberg, B. P., et al., Ice; Properties, Formation and Changes in State. (Led, Svoistva, Vozniknovenie i Ischeznovenie l'da.) Gosudarstvennoe Izdatel'stvo Tekhniko-Teoreticheskoi Literatury, Moscow and Leningrad, USSR, 1940, 524 pp. Abstracted by William Mandel, The Stefansson Library, 1950. (AD-41663) *
- Weinberg, B. P., Catalogue of Magnetic Determinations in USSR, and Adjacent Countries from 1558-1926. Central Geophysical Observatory, English and Russian, 1929, 215 pp. (Available in US Weather Bureau Library, DWB PF 2209 (236).)
- Winter, M. R., The Choice of a Ballistic Standard Atmosphere. Mém. de l'Artillerie Française, 1917. Transl. TIL Tr. 4858.
- Wissmann von Herman, Southwest Arabia: Land Forms, Climate, Water Conditions and Travel Negotiability. (Südwestarabien: Landformen, Klima, Wasserverhältnisse und Wegsamkeit.) Published Nov. 1949. Publication not cited. Transl. Dept. of the Army, IB Branch No. 2056224, Tr. No. G-8684, 88 pp. *
- Wittich, and Kasemir, R. W., Recordings of Field Strength and Charge During Aircraft Ascents. (Feld- und Eigenladungsregistrierungen bei Flugzeugaufstiegen.) Flugzeugaufstiegen. Deutsche Forschungsanstalt für Segelflug Ernst Udet, Institut für Physik der Atmosphäre, Alnring, 26 Nov 1943. Transl. by H. E. Pinkerton & Co., F-TS-5928-RE, n. d. 16 pp. (ATI-57209) *
- Wurm, K., The Nature of the Exciting Solar Corpuscles in the Aurora Polaris. (Polarlichtspektrum und Natur der anregenden Solaren Korpuskeln.) Transl. May 1957, 51 pp. (ATI-106518) *
- Yakovlev, G. N., Solar Radiation as the Chief Component of the Heat Balance of the Arctic Ice. Report to the International Conference on the Study of Sea Ice, held in Washington D. C., 1958. Transl. 12 pp.
- Yatsunskiy, I. M., The Effect of Geophysical Factors on Satellite Motion. Paper presented by USSR delegation to IGY meeting in Washington D. C., Oct 1957. Transl. in: "Collection of Soviet Papers on Earth Satellites," Mass. Inst. of Technology, Lincoln Lab., 31 Oct 1957, reissued 13 Jan 1958, pp. 113-130. *
- Yazawa, Taiji, et al., Seasonal Weather Forecasting Based on Statistical Method. Research Dept. of G.M.O. in Tokyo, n. d. Transl. circa 1946, 4 pp. *
- Yen-Chiu, A Preliminary Study of Midrange Forecasting on Summer Precipitation in the Eastern Part of China. Chinese report, 110 pp. Wo-Kuo-Tung-Pu-Hsia-Chi-Chiang-Shui-Chung, Ch'i-Yu-Pao-Ti-Ch'u-Pu, Jan 1958. Transl. 6004th AISS Tr-S-3B/169 (58)
- Yoshina, Itaru, On the Quantitative Determination of Rainfall., n. d. Translation 9 pp. n. d. (ATI-110169) *
- Zamorskii, A. D., Meteorological Conditions for Ice Formation. USSR People's Commissariat for Defense. Central Office of the Hydromet. Service of the Red Army, Central Geophysical Observatory. Transl. Publ. as NAVAER 50-IR-106, 1944, 21 pp. (ATI-110475) *

- Zamorskiĭ, A. D., Atmospheric Ice: Hoarfrost, Ice Crust, Snow, and Hail. (Atmosfernyĭ Led: Gololed, Sneg i Grad.) Moscow, Leningrad, 1955, pp. 29-59. Transl. 59 pp. *
- Zech, T. H., 3rd Report on Flight Mechanics. Local Changes of Air Resistance Caused, for example, by Weather Conditions, and the Effect Produced on the Fire Range. (3 Bericht ueber Flugmechanik Oertliche Aenderungen des Luftwiderstandes Z. B. durch das Wetter. Einfluss auf die Schussweite.) Technische Hochschule, Darmstadt, 4 March 1940. Transl. by M. S. Medvedeff, Goodyear Aircraft Corp., March 1947, 19 pp. (ATI-26351) *
- Zhukovskii, G. E., Movement of Ice. (Dvizhenie l'dov.) Chapt. 8, para. 31, pp. 207-209, of: "Oceanography." (Okeanografiia.) Gosudarstvennoe Izdatel'stvo vodnogo transporta, Leningrad, Moscow, 1953. Transl. U. S. Hydrographic Office Library, No. 232, 1955, 4 pp. *
- Zikeyev, N. T., Frost in Ordzhonikidze Kray, Chechen-Ingush ASSR, North Osetian ASSR, and Kabardinian Balkar ASSR. (Gololed v Ordzhonikidzevskom Kraye, Checheno-Ingushskoy ASSR, Severo-Osetinskoy ASSR, i Kabardino-Balkarskoy ASSR.) Office of Accounts and Estimates, Rostov Administration of Hydrometeorological Service, 1941. Transl. Feb 1951, 20 pp. *
- Zolotov, —, Outstanding Workers of the Arctic. (Politupravlenie Glavseymorputi Stakhanoktsey Arktiki.) Transl. of Table of Contents and Extracts of Section on Meteorological Service on Schmidt Cape, Siberia. (Slushba pagody na mys schmidt.) Transl. (ACIS) Aeronautical Chart and Information Service, 1951, 5 pp. *
- Zubov, N. N., In the Center of the Arctic. Polar Worker's Library, Moscow, 1940. In: "Investigation of Construction and Maintenance of Airdromes on Ice, 1946-1947," pp. 116-202, Soils Lab., New England Division, Corps of Engineering, May 1947. Transl. by Stefansson Library. (AD-141181) *
- Zubov, N. N., Arctic Ice and the Warming of the Arctic. Chapt. VI and VII of: "In the Center of the Arctic." Northern Sea Route Administration Press, Moscow, Leningrad, 1948, 391 pp. Transl. of Chapt. VI and VII by E. Hope, DRB, Canada, 1950, 72 pp. *
- Zubov, N. N., Dynamic Oceanology. (Dinamicheskaya okeanologiya.) Moscow, 1947, 430 pp. Abstract only. Transl. in U. S. Hydrographic Office Library, 12 pp. (For Chapters 6, 7, and 8, see below.)
- Zubov, N. N., Oceanic Currents, from Chapt. VII of "Dinamicheskaya Okeanologiya," 1947, pp. 257-335. Transl. NRL 1085/HO 218, 1955, 88 pp. *
- Zubov, N. N., Tidal Phenomena and Ice, Chapt. VI of "Dinamicheskaya Okeanologiya," 1947, pp. 241-256. Transl. NRL 1088/HO 219, 15 pp. *
- Zubov, N. N., Wind and the Movement of Ice, Chapt. VIII of "Dinamicheskaya Okeanologiya," 1947, pp. 336-353. Transl. NRL 1082/HO 217, 1955, 18 pp. *
- Zubov, N. N., Arctic Navigation. (Arkticheskie Navigatsii.) Vol. I, edited by author, et al., Glavseymorputi, Moscow, Leningrad, 1951, 268 pp. Transl. NRL 431/HO 40, U. S. Hydrographic Office Library.

Zubov, N. N., Sea Waters and Ice. (Morakie vody i ldy.) (Chapt. 2, Sect. 17-19; Chapt. 6, Sect. 45-50, 52; Chapt. 7, Sect. 53-55; 57-60.) USSR, Hydromet. Publ. Office, Moscow, 1938. Contents: Glossary of Ice, (ATI-141633); Light and Sound Phenomena at Sea, (Chapt. II) (ATI-141634); Some Properties of Sea Ice, Chapt. VI (ATI-141635); Salinity of Sea Ice, (ATI-141636); Composition of the Salts of Sea Ice, (ATI-141637); Thermal Properties, (ATI-141638); Optical and Radiational Properties, (ATI-141639); Sea Biology (ATI-141640);* Ice in the Sea, (Chapt. VII) (ATI-141641); Glacier Ice, (ATI-141642); Race of Ice Formation, (ATI-141643); Deformation of Ice Cover, (ATI-141644); Ice Melting, (ATI-141645); The Motion of Ice, (ATI-141646); Seasonal and Secular Variations in Ice Abundance, (ATI-141647). *

Zubov, N. N., Arctic Ice. (L'dy Arktiki.) Glavseморputi (Northern Sea Route Administration) Moscow, 1945, 360 pp. Transl. revised and prepared by Stefansson Library, 111 pp. (AD-4990) *



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